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OM protein - protein search, using sw model

Run on: August 11, 2004, 16:37:19 ; Search time 27 Seconds
(without alignments)
1713.217 Million cell updates/sec

Title: US-10-014-156-13

Perfect score: 4840

Sequence: 1 MICGKFCVLLHWQFIYVIT.....NPKNCWAQGLNFQKRTN1L 896

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA.*

- 1: /cgn2_6/prodata/iaa/5A COMB.pep.*
- 2: /cgn2_6/prodata/iaa/5B COMB.pep.*
- 3: /cgn2_6/prodata/iaa/6A COMB.pep.*
- 4: /cgn2_6/prodata/iaa/6B COMB.pep.*
- 5: /cgn2_6/prodata/iaa/6CTUS COMB.pep.*
- 6: /cgn2_6/prodata/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	4836	99.9	896	4	US-09-043-816E-13
2	4633	95.7	896	4	US-08-780-562-3
3	4631	95.7	896	4	US-08-618-957A-10
4	4631	95.7	896	4	US-09-357-914-33
5	4631	95.7	898	2	US-08-593-697-36
6	4618	95.4	898	4	US-08-588-189-3
7	4614	95.3	906	4	US-08-618-957A-9
8	4614	95.3	906	4	US-09-357-914-32
9	4614	95.3	908	2	US-08-693-697-33
10	4614	95.3	923	4	US-08-780-562-4
11	4614	95.3	1165	2	US-08-599-455B-4
12	4614	95.3	1165	3	US-09-093-814-1
13	4614	95.3	1165	3	US-09-069-781B-4
14	4614	95.3	1165	4	US-08-618-957A-11
15	4614	95.3	1165	4	US-09-137-132-4
16	4614	95.3	1165	4	US-09-094-410-4
17	4614	95.3	1165	4	US-08-708-123D-4
18	4614	95.3	1165	4	US-08-593-153A-4
19	4614	95.3	1165	4	US-08-570-142D-4
20	4614	95.3	1165	4	US-08-780-562-2
21	4614	95.3	1165	4	US-08-638-524B-4
22	4612	95.3	958	4	US-08-618-957A-8
23	4612	95.3	960	1	US-08-355-888A-8
24	4612	95.3	960	2	US-08-640-389A-3
25	4612	95.3	960	3	US-08-593-696-8
26	4612	95.3	960	4	US-09-357-914-8
27	4612	95.3	960	4	US-09-357-914-8

28 4607 95.2 960 2 US-08-588-190-3 Sequence 3, Appli
29 4607 95.2 960 4 US-08-618-957A-3 Sequence 3, Appli
30 4603 95.1 896 2 US-08-640-389A-10 Sequence 10, Appli
31 4601 95.1 908 2 US-08-588-526-3 Sequence 3, Appli
32 4600 95.0 1165 4 US-08-864-564A-4 Sequence 4, Appli
33 4586 94.8 906 2 US-08-640-389A-9 Sequence 9, Appli
34 4586 94.8 1165 2 US-08-640-389A-11 Sequence 11, Appli
35 4584 94.7 958 2 US-08-640-389A-8 Sequence 8, Appli
36 4212 87.0 1221 4 US-08-992-430-2 Sequence 2, Appli
37 3660 75.6 894 4 US-08-618-957A-12 Sequence 12, Appli
38 3657 75.6 896 2 US-08-640-389A-12 Sequence 12, Appli
39 3653 75.5 894 2 US-08-599-455B-2 Sequence 2, Appli
40 3653 75.5 894 3 US-09-069-781B-2 Sequence 2, Appli
41 3653 75.5 894 4 US-09-137-132-2 Sequence 2, Appli
42 3653 75.5 894 4 US-08-864-564A-2 Sequence 2, Appli
43 3653 75.5 894 4 US-09-094-410-2 Sequence 2, Appli
44 3653 75.5 894 4 US-08-708-123D-2 Sequence 2, Appli
45 3653 75.5 894 4 US-08-583-153A-2 Sequence 2, Appli

ALIGNMENTS

RESULT 1
US-09-043-816E-13
; Sequence 13, Application US/09043816E
; Patent No. 6414128
; GENERAL INFORMATION:
; APPLICANT: Hilton, Douglas J.
; APPLICANT: Willson, Tracy
; APPLICANT: Nicola, Nicols A.
; APPLICANT: Gainsford, Timothy
; APPLICANT: Alexander, Warren S.
; APPLICANT: Metcalf, Donald
; APPLICANT: Ng, Ashley
; TITLE OF INVENTION: A NOVEL HAEMOPOIETIN RECEPTOR AND GENETIC SEQUENCES
; TITLE OF INVENTION: ENCODING SAME
; FILE REFERENCE: 11268
; CURRENT APPLICATION NUMBER: US/09/043.816E
; CURRENT FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 13
; LENGTH: 896
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: UNSURE
; LOCATION: (223)
; OTHER INFORMATION: Xaa is unknown or other.
; NAME/KEY: UNSURE
; LOCATION: (687)
; OTHER INFORMATION: Xaa is unknown or other.
US-09-043-816E-13

Query Match 99.9%; Score 4836; DB 4; Length 896;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 896; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MICGKFCVLLHWQFIYVITAFNLSYPTIPWRFKLSMPNNTNYFLLPAGLSKNTSNS 60

Db 1 MICGKFCVLLHWQFIYVITAFNLSYPTIPWRFKLSMPNNTNYFLLPAGLSKNTSNS 60

QY 61 NGHYETAPEKFNSSGTHFSNLSKTTTCCPSRQDRNCSLCADNIEGRTFVSTVNSLVF 120

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QY 121 QIDANNNIQWLKGDLLKLFICYVESLFKNLFRNNYKVVHLLYVLPVLEDSPLVPQKGS 180

Db 121 QIDANNNIQWLKGDLLKLFICYVESLFKNLFRNNYKVVHLLYVLPVLEDSPLVPQKGS 180

QY 181 FQMHGNCVHECCBCLVPFTAKLNTLLMCLKITSGVIFXSPSLMSVQINNVKPPPP 240

Db 181 FQMHGNCVHECCBCLVPFTAKLNTLLMCLKITSGVIFXSPSLMSVQINNVKPPPP 240

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 241 LGLHWEITDDGNLKSWSPPPLVPFPQYQVKYSENSTTVIREADKIVSATSLVDSILP 300
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 301 GSSVEVQVRGRKLDGPGIWSWSTPRVFTTQDVYFPPKILTSVGSNVSPHICIKENKI 360
 361 VPSKEIVVWNNLAEIIPQSDVVDVSDHVSQVTFNMLNETKPRGLFTYDAVYCNEHCHH 420
 361 VPSKEIVVWNNLAEIIPQSDVVDVSDHVSQVTFNMLNETKPRGLFTYDAVYCNEHCHH 420
 421 RYAGLYVINVNINISCTQNGYLTQMTCRWSTSTIQSLAESTLELRHYRHSLSYCSNIPSIH 480
 421 RYAGLYVINVNINISCTQNGYLTQMTCRWSTSTIQSLAESTLELRHYRHSLSYCSNIPSIH 480
 481 PISEPKNCYLQSGNGFYQICPOPIIFLLSGYTWIRINHSLSGLNSPPTCVLPDVSVKPLPP 540
 481 PISEPKNCYLQSGNGFYQICPOPIIFLLSGYTWIRINHSLSGLNSPPTCVLPDVSVKPLPP 540
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 541 SSVKAEITINTIGLLKISWEKVPFPENNLPQIRTLGSGKEVQWKMVEVTPNPKKSVSLPV 600
 601 PDLCAVAVQVRFKLDGLGWSWNSPAYTVVMDIKVPMRGPEFWRIINGDTWKKEKNV 660
 601 PDLCAVAVQVRFKLDGLGWSWNSPAYTVVMDIKVPMRGPEFWRIINGDTWKKEKNV 660
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 661 YLLWKPLMKNDLSLCSVQRYVINHHTSXNGTWSNVGNHTKFTFLWTEQAHTVTVLAINSI 720
 721 GASVANFNLTFSWPMKSNIVQSLISAYPLNSSCVIVSWILSPDVKLMYPIIEWKLNED 780
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 841 GLYVIVPVISSSILLGTLILSHQRMKKLPWEDVNPKNCSWAQGLNFKORTNII 896
 841 GLYVIVPVISSSILLGTLILSHQRMKKLPWEDVNPKNCSWAQGLNFKORTNII 896

RESULT 2

US-08-780-562-3
 ; Sequence 3, Application US/08780562
 ; Patent No. 6541604

GENERAL INFORMATION:

; APPLICANT: Matthews, William
 ; APPLICANT: Bennett, Brian
 ; TITLE OF INVENTION: WSX RECEPTOR
 ; NUMBER OF SEQUENCES: 45
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Genentech, Inc.
 ; STREET: 460 Point San Bruno Blvd
 ; CITY: South San Francisco
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94080

COMPUTER READABLE FORM:

; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: WinPatIn (Genentech)
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/780,562
 ; FILING DATE:
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/585005
 ; FILING DATE: 01/08/97
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 60/
 ; FILING DATE: 01/08/97
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Lee, Wendy M.
 ; REGISTRATION NUMBER: 40,378
 ; REFERENCE/DOCKET NUMBER: P0986R1
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 415/225-1994
 ; TELEFAX: 415/952-9881
 ; TELEX: 910/371-7168
 ; INFORMATION FOR SEQ ID NO: 3:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 896 amino acids
 ; TYPE: Amino Acid
 ; TOPOLOGY: Linear
 ; US-08-780-562-3

Query Match 95.7%; Score 4633; DB 4; Length 896;

Best Local Similarity 96.1%; Pred No. 0;

Matches 861; Conservative 17; Mismatches 18; Indels 0; Gaps 0;

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 DB 1 MICQKFCVLLHWESIYVITAFNLSYPTIPWRFKLSMPPNSTYDYFLLPAGLSKNTS 60
 QY 61 NGHYETAPEKPNSSGTHFNSLSTTTPHCCPRSDRNCISLCAINIEGRTFVSTVNSLVP 120
 DB 61 NGHYETAPEKPNSSGTHFNSLSTTTPHCCPRSDRNCISLCAINIEGRTFVSTVNSLVP 120
 QY 121 QQIDANWNIQWLKGDLLKLFICYVESLFKNLFNRYNYKVHLLYLVPELSDPLVPQKGS 180
 DB 121 QQIDANWNIQWLKGDLLKLFICYVESLFKNLFNRYNYKVHLLYLVPELSDPLVPQKGS 180
 QY 181 FQVHCNCSVHECCCLVPVPTAKLNDTLMLCLKITSGGVIFXSPMSVQPINWVKPDP 240
 DB 181 FQVHCNCSVHECCCLVPVPTAKLNDTLMLCLKITSGGVIFQSPMSVQPINWVKPDP 240
 QY 241 LGLHWEITDDGNLKSWSPPPLVPFPQYQVKYSENSTTVIREADKIVSATSLVDSILP 300
 DB 241 LGLHWEITDDGNLKSWSPPPLVPFPQYQVKYSENSTTVIREADKIVSATSLVDSILP 300
 QY 301 GSSVEVQVRGRKLDGPGIWSWSTPRVFTTQDVYFPPKILTSVGSNVSPHICIKENKI 360
 DB 301 GSSVEVQVRGRKLDGPGIWSWSTPRVFTTQDVYFPPKILTSVGSNVSPHICIKENKI 360
 QY 361 VPSKEIVVWNNLAEIIPQSDVVDVSDHVSQVTFNMLNETKPRGLFTYDAVYCNEHCHH 420
 DB 361 VPSKEIVVWNNLAEIIPQSDVVDVSDHVSQVTFNMLNETKPRGLFTYDAVYCNEHCHH 420
 QY 421 RYAGLYVINVNINISCTQNGYLTQMTCRWSTSTIQSLAESTLELRHYRHSLSYCSNIPSIH 480
 DB 421 RYAGLYVINVNINISCTQNGYLTQMTCRWSTSTIQSLAESTLELRHYRHSLSYCSNIPSIH 480
 QY 481 PISEPKNCYLQSGNGFYQICPOPIIFLLSGYTWIRINHSLSGLNSPPTCVLPDVSVKPLPP 540
 DB 481 PISEPKNCYLQSGNGFYQICPOPIIFLLSGYTWIRINHSLSGLNSPPTCVLPDVSVKPLPP 540
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 DB 541 SSVKAEITINTIGLLKISWEKVPFPENNLPQIRTLGSGKEVQWKMVEVTPNPKKSVSLPV 600
 QY 601 PDLCAVAVQVRFKLDGLGWSWNSPAYTVVMDIKVPMRGPEFWRIINGDTWKKEKNV 660
 DB 601 PDLCAVAVQVRFKLDGLGWSWNSPAYTVVMDIKVPMRGPEFWRIINGDTWKKEKNV 660
 QY 661 YLLWKPLMKNDLSLCSVQRYVINHHTSXNGTWSNVGNHTKFTFLWTEQAHTVTVLAINSI 720
 DB 661 YLLWKPLMKNDLSLCSVQRYVINHHTSXNGTWSNVGNHTKFTFLWTEQAHTVTVLAINSI 720
 QY 721 GASVANFNLTFSWPMKSNIVQSLISAYPLNSSCVIVSWILSPDVKLMYPIIEWKLNED 780

Db 721 GASVANFNTSPMSKVNIVQSLSAYPLNSSCVIVSWILSPSDYKUMYFIISWKNLND 780
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Db 781 GEIKWLRISSSVKYYIHDHFIPIEKYQFSLYPIFMFEGVGPKIINSFTQDDIEKHQSDA 840
Qy 841 GLYVIVPVISSSILLGLTLLISHQRMKKLFWDVDPNPKNSWAQGLNFQKRTNLL 896
Db 841 GLYVIVPVISSSILLGLTLLISHQRMKKLFWDVDPNPKNSWAQGLNFQKRTDIL 896

RESULT 3
US-08-618-957A-10
; Sequence 10, Application US/08618957A
; Patent No. 6355237
; GENERAL INFORMATION:
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Cioffi, Joseph
; APPLICANT: Zupancic, Thomas Joel
; APPLICANT: Shafer, Alan Wayne
; TITLE OF INVENTION: METHODS FOR USING THE OBESE
; TITLE OF INVENTION: GENE AND ITS GENE PRODUCT TO STIMULATE HEMATOPOIETIC
; TITLE OF INVENTION: DEVELOPMENT
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Pennile & Edmonds LLP
; STREET: 1155 Avenue of The Americas
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10036-2811
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/618,957A
; FILING DATE: 20-MAR-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 008907-0033-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-493-4935
; TELEFAX: 650-493-5556
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 896 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-618-957A-10
; Query Match 95.7%; Score 4631; DB 4; Length 896;
; Best Local Similarity 96.1%; Pred. No. 0;
; Matches 861; Conservative 16; Mismatches 19; Indels 0; Gaps 0;

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Db 1 MICKFCVLLHMQFIYVITAFNLSYPIITPWFKLSKMPNPNSTNYFLLPAGLSKNTNS 60
Qy 61 NGHETAVEPKFNSSGTHFNSLKTTHCCFRSEQDRNCSLCADNIEGRTFVSTVNSL 120
Db 61 NGHETAVEPKFNSSGTHFNSLKTTHCCFRSEQDRNCSLCADNIEGRTFVSTVNSL 120

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Db 121 QQIDANWNIQWLKGLDKLFTICYVESLFPKULFRNTNYKVHLLYVLPVLEDSPLVPQKGS 180
Qy 181 FQWVHCNCSVHECCCLVPVPTAKLNDTLLMCLKITTSQGVIFXSPMSVQPINMVKPDP 240
Db 181 FQWVHCNCSVHECCCLVPVPTAKLNDTLLMCLKITTSQGVIFXSPMSVQPINMVKPDP 240
Qy 241 LGLHWEITDDGNLKIWSWSSPPLVPPPLQVQVKYSENSTTVIREADKIYATSLLVDSILP 300
Db 241 LGLHWEITDDGNLKIWSWSSPPLVPPPLQVQVKYSENSTTVIREADKIYATSLLVDSILP 300
Qy 301 GSSYEVOVRGKELDGPGLWSWSTPRVFTTQVYVFPKILTSVGSNVSFHCIIYKKNKI 360
Db 301 GSSYEVOVRGKELDGPGLWSWSTPRVFTTQVYVFPKILTSVGSNVSFHCIIYKKNKI 360
Qy 361 VPSKEIVVMHNLAEIPOSQYDVSDHVSQVYVFFNLNETKPRGLFTYDAVTCNCEHGH 420
Db 361 VPSKEIVVMHNLAEIPOSQYDVSDHVSQVYVFFNLNETKPRGLFTYDAVTCNCEHGH 420
Qy 421 RYAGLYVINVINISCTQNGYLTMTCTRWSTSTQSLAESTLELRYHRSLLYCSNIPSIH 480
Db 421 RYAGLYVINVINISCTQNGYLTMTCTRWSTSTQSLAESTLELRYHRSLLYCSNIPSIH 480
Qy 481 PISEPKNCVLOSNGEYQICPOPIFLLSGYTMWIRINHSGLNSPPTCVLPDSVVKPLPP 540
Db 481 PISEPKNCVLOSNGEYQICPOPIFLLSGYTMWIRINHSGLNSPPTCVLPDSVVKPLPP 540
Qy 541 SSVKAEITINIGLLKISWEKVPFPENNLOFQIRYGLSGKEVQWKMVEYDAKSKSVLPV 600
Db 541 SSVKAEITINIGLLKISWEKVPFPENNLOFQIRYGLSGKEVQWKMVEYDAKSKSVLPV 600
Qy 601 PDLCAVAVOVRFKELDGLGYWSNKNPAYTVMVDIKVPMRGPEPWRILNGDTMKEKNV 660
Db 601 PDLCAVAVOVRFKELDGLGYWSNKNPAYTVMVDIKVPMRGPEPWRILNGDTMKEKNV 660
Qy 661 YLLWKPLMKNDSLCSVQRYVINHTSXNGTSENNGVHNTKFTFLWTEQAHTVTVLAINSI 720
Db 661 YLLWKPLMKNDSLCSVQRYVINHTSXNGTSENNGVHNTKFTFLWTEQAHTVTVLAINSI 720
Qy 721 GASVANFNTSPMSKVNIVQSLSAYPLNSSCVIVSWILSPSDYKUMYFIISWKNLND 780
Db 721 GASVANFNTSPMSKVNIVQSLSAYPLNSSCVIVSWILSPSDYKUMYFIISWKNLND 780
Qy 781 GEIKWLRISSSVKYYIHDHFIPIEKYQFSLYPIFMFEGVGPKIINSFTQNNIEKHQSDA 840
Db 781 GEIKWLRISSSVKYYIHDHFIPIEKYQFSLYPIFMFEGVGPKIINSFTQDDIEKHQSDA 840
Qy 841 GLYVIVPVISSSILLGLTLLISHQRMKKLFWDVDPNPKNSWAQGLNFQKRTNLL 896
Db 841 GLYVIVPVISSSILLGLTLLISHQRMKKLFWDVDPNPKNSWAQGLNFQKRTDIL 896

RESULT 4
US-09-357-914-33
; Sequence 33, Application US/09357914
; Patent No. 6524806
; GENERAL INFORMATION:
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Cioffi, Joseph
; APPLICANT: Zupancic, Thomas J.
; APPLICANT: Shafer, Alan Wayne
; TITLE OF INVENTION: ANTIBODIES SPECIFIC FOR HU-BL.219, A
; TITLE OF INVENTION: NOVEL HUMAN HEMATOPOIETIN RECEPTOR
; FILE REFERENCE: 8907-0083-999
; CURRENT FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: US 08/693,696
; PRIOR FILING DATE: 1996-08-05
; PRIOR APPLICATION NUMBER: US 08/355,888
; PRIOR FILING DATE: 1994-12-14
; PRIOR APPLICATION NUMBER: US 08/306,231
; PRIOR FILING DATE: 1994-09-14

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; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 33
; LENGTH: 896
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-357-914-33

Query Match          95.7%; Score 4631; DB 4; Length 896;
Best Local Similarity 96.1%; Pred. No. 0;
Matches 861; Conservative 16; Mismatches 19; Indels 0; Gaps 0;

QY 1 MICQKFCVLLHWQFYVITAFNLSPYITPWRFKLSCHMPNSTTNYFLLPAGLSKNTSNS 60
DB 1 MICQKFCVLLHWBFYVITAFNLSPYITPWRFKLSCHMPNSTTNYFLLPAGLSKNTSNS 60
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DB 181 FQVHCNCSVHECCCECLVPVPTAKLNDTLLMCLKITSGVTFKSPMSVOPINWKPDP 240
QY 241 LGLHWEITDDGNLKIWSSSPLVPFPFLOQVQKYSNSTTVIREADKIVSATSLVDSILP 300
DB 241 LGLHWEITDDGNLKIWSSSPLVPFPFLOQVQKYSNSTTVIREADKIVSATSLVDSILP 300
QY 301 GSSYEVOVRGKLDGPGIWSDWSTPRVFTTQDVYFPPKILTSVGSNVSHCIYKKNKI 360
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QY 361 VPSKEIVMWNHAEIIPQSDVDVSDVSKVTFNLTNETPRGLFTYDVAVYCCNEHCCH 420
DB 361 VPSKEIVMWNHAEIIPQSDVDVSDVSKVTFNLTNETPRGKFTYDVAVYCCNEHCCH 420
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DB 421 RYAEIYVIDVNVINISCTDGLVTMTCRWSTSTTQSLAESTLQRYRHSLSYCSNPSIH 480
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DB 481 PISEPKCYLQNSGFYQICPOPIFLLSGYTWIRINHSLSGINSPPCTCVLPDSVVKPLPP 540
QY 541 SSVKAEITINIGLLKISWEKVPFPENNLFQIRTLGSGKEVQWRYEVTNPKPSVSLPV 600
DB 541 SSVKAEITINIGLLKISWEKVPFPENNLFQIRYGLSGKEVQWRYEVTNPKPSVSLPV 600
QY 601 PDLCAVAVQVRFKELDGLGYNSWNSPAYTVMDIKVPMGEPFRIINGDITWKKENY 660
DB 601 PDLCAVAVQVRCRDLGGLGYNSWNSPAYTVMDIKVPMGEPFRIINGDITWKKENY 660
QY 661 YLLMKPLMNDSLCSQVRYVINHTSXTNGTWSNVGNHTKFTFLWTEQAHVTTVLAINSI 720
DB 661 TLLMKPLMNDSLCSQVRYVINHTSXTNGTWSNVGNHTKFTFLWTEQAHVTTVLAINSI 720
QY 721 GASVANFNLTFSWPMKKNIVQSISAYPLNSCVIVSKILSPSDVKLWPIETKKNLNE 780
DB 721 GASVANFNLTFSWPMKKNIVQSISAYPLNSCVIVSKILSPSDVKLWPIETKKNLNE 780
QY 781 GEIKWLRTSSSVKKYIHDHPIEPIEKYQFSLYPIFMGEGVKPKIINSFTQNNIEKHQSDA 840
DB 781 GEIKWLRTSSSVKKYIHDHPIEPIEKYQFSLYPIFMGEGVKPKIINSFTQNNIEKHQSDA 840
QY 841 GLYIVIVPVISSILLGLTLLISHQMKKLPWEDVPNPKNSWAQGLNFQKRTNLL 896
DB 841 GLYIVIVPVISSILLGLTLLISHQMKKLPWEDVPNPKNSWAQGLNFQKRTDIL 896

RESULT 5
US-08-693-697-36
; Sequence 36, Application US/08693697
; Patent No. 5869610
; GENERAL INFORMATION:
; APPLICANT: Snodgrass, H. R.
; APPLICANT: Cioffi, Joseph
; APPLICANT: Zupancic, Thomas J.
; APPLICANT: Shafer, Alan W.
; TITLE OF INVENTION: Hu-B1.219, A NOVEL HUMAN HEMATOPOIETIN
; TITLE OF INVENTION: RECEPTOR
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: FastSeq for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/693,697
; FILING DATE: 05-AUG-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-0037-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-493-4935
; TELEFAX: 650-493-5556
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 898 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FRAGMENT TYPE: internal
;
US-08-693-697-36

Query Match          95.7%; Score 4631; DB 2; Length 898;
Best Local Similarity 96.1%; Pred. No. 0;
Matches 861; Conservative 16; Mismatches 19; Indels 0; Gaps 0;

QY 1 MICQKFCVLLHWQFYVITAFNLSPYITPWRFKLSCHMPNSTTNYFLLPAGLSKNTSNS 60
DB 3 MICQKFCVLLHWBFYVITAFNLSPYITPWRFKLSCHMPNSTTNYFLLPAGLSKNTSNS 62
QY 61 NGHYETAPEKPNSSGTHFNSLSTTTHCCFRSEODRNCSLCADNIEGRFTVSTVNSLVF 120
DB 63 NGHYETAPEKPNSSGTHFNSLSTTTHCCFRSEODRNCSLCADNIEGRFTVSTVNSLVF 122
QY 121 QOIDANWNIQCLWKGDLKLFICYVESLFPKLFNRYNYKVHLLYVLPVLESDPLVPQKGS 180
DB 123 QOIDANWNIQCLWKGDLKLFICYVESLFPKLFNRYNYKVHLLYVLPVLESDPLVPQKGS 182
QY 181 FQVHCNCSVHECCCECLVPVPTAKLNDTLLMCLKITSGVTFKSPMSVOPINWKPDP 240
DB 183 FQVHCNCSVHECCCECLVPVPTAKLNDTLLMCLKITSGVTFKSPMSVOPINWKPDP 242
QY 241 LGLHWEITDDGNLKIWSSSPLVPFPFLOQVQKYSNSTTVIREADKIVSATSLVDSILP 300
DB 243 LGLHWEITDDGNLKIWSSSPLVPFPFLOQVQKYSNSTTVIREADKIVSATSLVDSILP 302
QY 301 GSSYEVOVRGKLDGPGIWSDWSTPRVFTTQDVYFPPKILTSVGSNVSHCIYKKNKI 360
DB 303 GSSYEVOVRGKLDGPGIWSDWSTPRVFTTQDVYFPPKILTSVGSNVSHCIYKKNKI 362
```

361 VPSKEIYVWNHNLAEILIPQSDYDVSDHVSQVTPFNINLNETKRGFTTYDAVYCCNEHCCH 420
363 VPSKEIYVWNHNLAEILIPQSDYDVSDHVSQVTPFNINLNETKRGFTTYDAVYCCNEHCCH 422
421 RYAGLYVINVNINISCTDGYLTWTCRWSTSTTQSLAESTLELRVHRSSLYCSNIPSIH 480
423 RYAEIYVIVDYNINISCTDGYLTWTCRWSTSTTQSLAESTLQLRVHRSSLYCSNIPSIH 482
481 PISEPKCYLQSDGFYECIFQPIFLLSGYTMWIRINHSLSGLSDSPPTCVLPDSVVKPLPP 540
483 PISEPKCYLQSDGFYECIFQPIFLLSGYTMWIRINHSLSGLSDSPPTCVLPDSVVKPLPP 542
541 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRGLSGKEVQWQMYEVTNPKSKVSLPV 600
543 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRGLSGKEVQWQMYEVTNPKSKVSLPV 602
601 PDLCAVAVQVRFKRLDGLGYSWNSNPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 660
603 PDLCAVAVQVRFKRLDGLGYSWNSNPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 662
661 YLLWPKLMDKSLCSVQRYVINHHTSXNGTWSNVGNHTKFTFLWTEQAHVTVLAINSI 720
663 TLLWPKLMDKSLCSVQRYVINHHTSXNGTWSNVGNHTKFTFLWTEQAHVTVLAINSI 722
721 GASVANFNLTFSWPMKSNIVQSLSAFPLNSSCVIVSWILSPSDVKLWYPIIEWKNLNE 780
723 GASVANFNLTFSWPMKSNIVQSLSAFPLNSSCVIVSWILSPSDVKLWYPIIEWKNLNE 782
781 GEIKWLRISSSVKYYIHDHFIPIEKYQFSLYPIFMGVGKPKIINSFTQNNIEKHQSDA 840
783 GEIKWLRISSSVKYYIHDHFIPIEKYQFSLYPIFMGVGKPKIINSFTQNNIEKHQSDA 842
841 GLYVIVPVIISSSILLGLTLLISHORMKKLFWEVDVNPKNCSWAQGLNFQKRTNII 896
843 GLYVIVPVIISSSILLGLTLLISHORMKKLFWEVDVNPKNCSWAQGLNFQKRTDIL 898

RESULT 6
US-08-588-189-3
Sequence 3, Application US/08588189
Patent No. 6451523
GENERAL INFORMATION:
APPLICANT: Snodgrass, H.
APPLICANT: Cioffi, Joseph
APPLICANT: Zupancic, Thomas
APPLICANT: Shafer, Alan
TITLE OF INVENTION: DETECTION OF A LEPTIN RECEPTOR VARIANT
TITLE OF INVENTION: AND METHODS FOR REGULATING OBESITY
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: US
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/588,189
FILING DATE: 18-JAN-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Poissant, Brian M
REGISTRATION NUMBER: 28,462
REFERENCE/DOCKET NUMBER: 8907-031
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741

TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 898 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-588-189-3

Query Match 95.4%; Score 4618; DB 4; Length 898;
Best Local Similarity 95.9%; Pred. No. 0;
Matches 859; Conservative 16; Mismatches 21; Indels 0; Gaps 0;

QY 1 MTCGKFCVLLHWOFIYVITAENLSYPIPTWPKLSCHMPNNTTYFLLPAGLSKNTNS 60
DB 3 MTCGKFCVLLHWOFIYVITAENLSYPIPTWPKLSCHMPNNTTYFLLPAGLSKNTNS 62
QY 61 NGHETAVPEKFNSSGTHFSNLSKTTFHCCPSEQRNCSLCAADNIEGRTFVTVNSLVF 120
DB 63 NGHETAVPEKFNSSGTHFSNLSKATFHCCPSEQRNCSLCAADNIEGRTFVTVNSLVF 122
QY 121 QOIDANWNIQWLKGDGLKLFICYVESLFKNLFRNNYKVHLLYVLPVLEDSPLVPOKGS 180
DB 123 QOIDANWNIQWLKGDGLKLFICYVESLFKNLFRNNYKVHLLYVLPVLEDSPLVPOKGS 182
QY 181 FQWVHCNCSVHECCCECLVPVPTAKLNDTLLMCLKITSGGVIFXSPILMSVQPINMVKPDP 240
DB 183 FQWVHCNCSVHECCCECLVPVPTAKLNDTLLMCLKITSGGVIFXSPILMSVQPINMVKPDP 242
QY 241 LGLHEITDDGNLKITSWSPPLVPPLQVQVYKSENSTTVIREADKIYSATSLVDSILP 300
DB 243 LGLHEITDDGNLKITSWSPPLVPPLQVQVYKSENSTTVIREADKIYSATSLVDSILP 302
QY 301 GSYEYQVGRKLDGPGIWSDMSTPRVFTQDVIVFPKILTSGVSNVSFHCIIYKKNKI 360
DB 303 GSYEYQVGRKLDGPGIWSDMSTPRVFTQDVIVFPKILTSGVSNVSFHCIIYKKNKI 362
QY 361 VPSKEIYVWNHNLAEILIPQSDYDVSDHVSQVTPFNINLNETKRGFTTYDAVYCCNEHCCH 420
DB 363 VPSKEIYVWNHNLAEILIPQSDYDVSDHVSQVTPFNINLNETKRGFTTYDAVYCCNEHCCH 422
QY 421 RYAGLYVINVNINISCTDGYLTWTCRWSTSTTQSLAESTLELRVHRSSLYCSNIPSIH 480
DB 423 RYAEIYVIVDYNINISCTDGYLTWTCRWSTSTTQSLAESTLQLRVHRSSLYCSNIPSIH 482
QY 481 PISEPKCYLQSDGFYECIFQPIFLLSGYTMWIRINHSLSGLSDSPPTCVLPDSVVKPLPP 540
DB 483 PISEPKCYLQSDGFYECIFQPIFLLSGYTMWIRINHSLSGLSDSPPTCVLPDSVVKPLPP 542
QY 541 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRGLSGKEVQWQMYEVTNPKSKVSLPV 600
DB 543 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRGLSGKEVQWQMYEVTNPKSKVSLPV 602
QY 601 PDLCAVAVQVRFKRLDGLGYSWNSNPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 660
DB 603 PDLCAVAVQVRFKRLDGLGYSWNSNPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 662
QY 661 YLLWPKLMDKSLCSVQRYVINHHTSXNGTWSNVGNHTKFTFLWTEQAHVTVLAINSI 720
DB 663 TLLWPKLMDKSLCSVQRYVINHHTSXNGTWSNVGNHTKFTFLWTEQAHVTVLAINSI 722
QY 721 GASVANFNLTFSWPMKSNIVQSLSAFPLNSSCVIVSWILSPSDVKLWYPIIEWKNLNE 780
DB 723 GASVANFNLTFSWPMKSNIVQSLSAFPLNSSCVIVSWILSPSDVKLWYPIIEWKNLNE 782
QY 781 GEIKWLRISSSVKYYIHDHFIPIEKYQFSLYPIFMGVGKPKIINSFTQNNIEKHQSDA 840
DB 783 GEIKWLRISSSVKYYIHDHFIPIEKYQFSLYPIFMGVGKPKIINSFTQNNIEKHQSDA 842
QY 841 GLYVIVPVIISSSILLGLTLLISHORMKKLFWEVDVNPKNCSWAQGLNFQKRTNII 896
DB 843 GLYVIVPVIISSSILLGLTLLISHORMKKLFWEVDVNPKNCSWAQGLNFQKRTDIL 898

QY 1 MICGFCVLLHWQFIYVITAFNLSYPIPTWRFKLSCHMPNNTNVTYFLLPAGLSKNTS 60
DB 1 MICGFCVLLHWQFIYVITAFNLSYPIPTWRFKLSCHMPNNTNVTYFLLPAGLSKNTS 60
QY 61 NGHETAVEPKFNSSGTHFNSLSTTTHCCFRSEODRNCSCADNIEGRFTFVTSLSLVF 120
DB 61 NGHETAVEPKFNSSGTHFNSLSTTTHCCFRSEODRNCSCADNIEGRFTFVTSLSLVF 120
QY 121 QOIDANWNTQCVLKGDLKLFICYVESLFKNLFNRYNFKVHLLVYLPVLEDSPLVPQGS 180
DB 121 QOIDANWNTQCVLKGDLKLFICYVESLFKNLFNRYNFKVHLLVYLPVLEDSPLVPQGS 180
QY 181 FQVHCNCSVHECCCECLVPTAKLNDTLMLCLKITSGVIFXSPMSVQPINMVKPDPP 240
DB 181 FQVHCNCSVHECCCECLVPTAKLNDTLMLCLKITSGVIFXSPMSVQPINMVKPDPP 240
QY 241 LGLHWEITDDGNLKSWSPPPLVFPFLOQYQKYSNSTTVIREADKIYSATSLVDSILP 300
DB 241 LGLHWEITDDGNLKSWSPPPLVFPFLOQYQKYSNSTTVIREADKIYSATSLVDSILP 300
QY 301 GSSYEVOVRGKRLDGPINWSDWSTPRVFTTQDVIFPPKILTSVGSNVSFHCYKKNKI 360
DB 301 GSSYEVOVRGKRLDGPINWSDWSTPRVFTTQDVIFPPKILTSVGSNVSFHCYKKNKI 360
QY 361 VPSKEIWWNNLAELIPQSDYDVSDHVSQVTFNLFNLTNETKPRGLTYDAVYCCNEHCCH 420
DB 361 VPSKEIWWNNLAELIPQSDYDVSDHVSQVTFNLFNLTNETKPRGLTYDAVYCCNEHCCH 420
QY 421 RYAGLYVINNVNISCOTNGYLTQWTCRWSTSTQSLAESTLELRHRSLSYCSNIPSIH 480
DB 421 RYAGLYVINNVNISCOTNGYLTQWTCRWSTSTQSLAESTLELRHRSLSYCSNIPSIH 480
QY 481 PISEPKCYLOSGFYQICIPQIFELLSGYTMMIRINHSGLASLSPPTCVLPDSVVKPLPP 540
DB 481 PISEPKCYLOSGFYQICIPQIFELLSGYTMMIRINHSGLASLSPPTCVLPDSVVKPLPP 540
QY 541 SSVKAEITINIGLLKISWEKPVFPENNLLQFQIRTLGSLGKEYQWKMVEVTPNPKPSVLPV 600
DB 541 SSVKAEITINIGLLKISWEKPVFPENNLLQFQIRTLGSLGKEYQWKMVEVTPNPKPSVLPV 600
QY 601 PDLCAVAVQVRKRLDGLGWSWNSPAYTVVMDIKVPMRGPEFVWIIINGDITMKKEKNV 660
DB 601 PDLCAVAVQVRKRLDGLGWSWNSPAYTVVMDIKVPMRGPEFVWIIINGDITMKKEKNV 660
QY 661 YLLWKPLMKNDLSQVORYVINHHTSXNGTWSNVGNHTKFTFLWTEQAHTVTVLAINSI 720
DB 661 YLLWKPLMKNDLSQVORYVINHHTSXNGTWSNVGNHTKFTFLWTEQAHTVTVLAINSI 720
QY 721 GASVANFNLTSPWPMKVNIVQSLSAYPLNSSCVIVSVWILSPSDVKLMPYIIEWKNLNE 780
DB 721 GASVANFNLTSPWPMKVNIVQSLSAYPLNSSCVIVSVWILSPSDVKLMPYIIEWKNLNE 780
QY 781 GEIKWLRTSSVKYIYIHDHPIEIKYQFSLYPIFPMGVGPKIINFTQNNIEKHQSDA 840
DB 781 GEIKWLRTSSVKYIYIHDHPIEIKYQFSLYPIFPMGVGPKIINFTQNNIEKHQSDA 840
QY 841 GLYIVVPVITSSILLGLTLLISHORMKCLFWEDVNPKNCSWAQGLNFQK 892
DB 841 GLYIVVPVITSSILLGLTLLISHORMKCLFWEDVNPKNCSWAQGLNFQK 892

RESULT 9

US-08-693-697-33
; Sequence 33, Application US/08693697
; Patent No. 5869610
; GENERAL INFORMATION:
; APPLICANT: Snodgrass, H. R.
; APPLICANT: Cioffi, Joseph
; APPLICANT: Zupancic, Thomas J.
; APPLICANT: Shater, Alan W.
; TITLE OF INVENTION: HU-B1.219, A NOVEL HUMAN HEMATOPOIETIN
; RECEPTOR

NUMBER OF SEQUENCES: 38
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: FastSEQ for Windows Version 2.0b
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/693,697
FILING DATE: 05-AUG-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Poissant, Brian M.
REGISTRATION NUMBER: 28,462
REFERENCE/DOCKET NUMBER: 8907-0037-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-493-4935
TELEFAX: 650-493-5556
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 33:
SEQUENCE CHARACTERISTICS:
LENGTH: 908 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
US-08-693-697-33

Query Match 95.3%; Score 4614; DB 2; Length 908;

Best Local Similarity 96.1%; Pred. No. 0;

Matches 857; Conservative 16; Mismatches 19; Indels 0; Gaps 0;

QY 1 MICGFCVLLHWQFIYVITAFNLSYPIPTWRFKLSCHMPNNTNVTYFLLPAGLSKNTS 60
DB 3 MICGFCVLLHWQFIYVITAFNLSYPIPTWRFKLSCHMPNNTNVTYFLLPAGLSKNTS 62
QY 61 NGHETAVEPKFNSSGTHFNSLSTTTHCCFRSEODRNCSCADNIEGRFTFVTSLSLVF 120
DB 63 NGHETAVEPKFNSSGTHFNSLSTTTHCCFRSEODRNCSCADNIEGRFTFVTSLSLVF 122
QY 121 QOIDANWNTQCVLKGDLKLFICYVESLFKNLFNRYNFKVHLLVYLPVLEDSPLVPQGS 180
DB 123 QOIDANWNTQCVLKGDLKLFICYVESLFKNLFNRYNFKVHLLVYLPVLEDSPLVPQGS 182
QY 181 FQVHCNCSVHECCCECLVPTAKLNDTLMLCLKITSGVIFXSPMSVQPINMVKPDPP 240
DB 183 FQVHCNCSVHECCCECLVPTAKLNDTLMLCLKITSGVIFXSPMSVQPINMVKPDPP 242
QY 241 LGLHWEITDDGNLKSWSPPPLVFPFLOQYQKYSNSTTVIREADKIYSATSLVDSILP 300
DB 243 LGLHWEITDDGNLKSWSPPPLVFPFLOQYQKYSNSTTVIREADKIYSATSLVDSILP 302
QY 301 GSSYEVOVRGKRLDGPINWSDWSTPRVFTTQDVIFPPKILTSVGSNVSFHCYKKNKI 360
DB 303 GSSYEVOVRGKRLDGPINWSDWSTPRVFTTQDVIFPPKILTSVGSNVSFHCYKKNKI 362
QY 361 VPSKEIWWNNLAELIPQSDYDVSDHVSQVTFNLFNLTNETKPRGLTYDAVYCCNEHCCH 420
DB 363 VPSKEIWWNNLAELIPQSDYDVSDHVSQVTFNLFNLTNETKPRGLTYDAVYCCNEHCCH 422
QY 421 RYAGLYVINNVNISCOTNGYLTQWTCRWSTSTQSLAESTLELRHRSLSYCSNIPSIH 480
DB 423 RYAGLYVINNVNISCOTNGYLTQWTCRWSTSTQSLAESTLELRHRSLSYCSNIPSIH 482
QY 481 PISEPKCYLOSGFYQICIPQIFELLSGYTMMIRINHSGLASLSPPTCVLPDSVVKPLPP 540
DB 481 PISEPKCYLOSGFYQICIPQIFELLSGYTMMIRINHSGLASLSPPTCVLPDSVVKPLPP 540

Db 483 PISEPKDCYLOSDGFYECIFQPIFILLSGYTWIRINHSLSGLSDSPPTCVLPDSVYKPLPP 542
 QY 541 SSVKAEITINIGLLKISWEKVPFENNLOFOIRGLSGKEVQWKYEVTPKPKSVSLPV 600
 Db 543 SSVKAEITINIGLLKISWEKVPFENNLOFOIRGLSGKEVQWKYEVTPKPKSVSLPV 602
 QY 601 PDLCAVAVQVRKRLDGLGYSWNSNPAYTVVMDIKVPMRGPEFWRINGDTMKKEKNV 660
 Db 603 PDLCAVAVQVRKRLDGLGYSWNSNPAYTVVMDIKVPMRGPEFWRINGDTMKKEKNV 662
 QY 661 YLLWKPLMKNDSLCSVQRYVINHHTSXNGTWSNVGNHKTFTFLWTEQAHTVTVLAINSI 720
 Db 663 TLLWKPLMKNDSLCSVQRYVINHHTSXNGTWSNVGNHKTFTFLWTEQAHTVTVLAINSI 722
 QY 721 GASVANFNLTFSWPMKKNIVQSLSAYPLNSSCVIVSWILSPSDVKLMYPIIWKNLNED 780
 Db 723 GASVANFNLTFSWPMKKNIVQSLSAYPLNSSCVIVSWILSPSDVKLMYPIIWKNLNED 782
 QY 781 GEIKWLRISSSVKYYIHDHPIPIEKYQFSLYPIFMGEGVKPKIINFTQNNIEKHQSDA 840
 Db 783 GEIKWLRISSSVKYYIHDHPIPIEKYQFSLYPIFMGEGVKPKIINFTQNNIEKHQSDA 842
 QY 841 GLYIVPVISSILLGLTLLISHQMKKLPWEDVNPKNCSWAQGLNFQK 892
 Db 843 GLYIVPVISSILLGLTLLISHQMKKLPWEDVNPKNCSWAQGLNFQK 894

RESULT 10

US-08-780-562-4
 ; Sequence 4, Application US/08780562
 ; Patent No. 6541604
 ; GENERAL INFORMATION:
 ; APPLICANT: Matthews, William
 ; APPLICANT: Bennett, Brian
 ; TITLE OF INVENTION: WAX RECEPTOR
 ; NUMBER OF SEQUENCES: 45
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Genentech, Inc.
 ; STREET: 460 Point San Bruno Blvd
 ; CITY: South San Francisco
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94080
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: WinPatIn (Genentech)
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/780,562
 ; FILING DATE:
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/585005
 ; FILING DATE: 01/08/97
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 60/
 ; FILING DATE: 01/08/97
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Lee, Wendy M.
 ; REGISTRATION NUMBER: 40,378
 ; REFERENCE/DOCKET NUMBER: P0986R1
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 415/225-1994
 ; TELEFAX: 415/952-9881
 ; TELEX: 910/371-7168
 ; INFORMATION FOR SEQ ID NO: 4:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 923 amino acids
 ; TYPE: Amino Acid
 ; TOPOLOGY: Linear
 ; US-08-780-562-4

Query Match 95.3%; Score 4614; DB 4; Length 923;
 Best Local Similarity 96.2%; Pred. No. 0;
 Matches 857; Conservative 16; Mismatches 18; Indels 0; Gaps 0;
 QY 1 MICGFCVLLHWQIYVITAFNLSPYIPITPWRFKLSCMPNPNSTNYFILLPAGLSKNTNS 60
 Db 1 MICGFCVLLHWQIYVITAFNLSPYIPITPWRFKLSCMPNPNSTNYFILLPAGLSKNTNS 60
 QY 61 NGHETAVPEPKNSGTHFNSLTKTTHCCFRSEODRNCSLCADNIEGTFTVSTVNSLVF 120
 Db 61 NGHETAVPEPKNSGTHFNSLTKTTHCCFRSEODRNCSLCADNIEGTFTVSTVNSLVF 120
 QY 121 QOIDANWNTQWLKGLDLKLFICYVESLFPKLPNNYKHLHYLVPEVLEDSPLVPQKGS 180
 Db 121 QOIDANWNTQWLKGLDLKLFICYVESLFPKLPNNYKHLHYLVPEVLEDSPLVPQKGS 180
 QY 181 FQWVHCNCSVHECCCLVPVPTAKLNDTLMLCKITSGVIFXSPMSVQPIINMVKPDP 240
 Db 181 FQWVHCNCSVHECCCLVPVPTAKLNDTLMLCKITSGVIFXSPMSVQPIINMVKPDP 240
 QY 241 LGLHMEITDDGNLKIWSPPPLVPPLQYQVKYSENSTVIREADKIYSATSLVDSILP 300
 Db 241 LGLHMEITDDGNLKIWSPPPLVPPLQYQVKYSENSTVIREADKIYSATSLVDSILP 300
 QY 301 GSSYEVOVRKELDGPGLWSWSTPRVFTQDVIYFPKILTSVGSNVSFHCYKKNKI 360
 Db 301 GSSYEVOVRKELDGPGLWSWSTPRVFTQDVIYFPKILTSVGSNVSFHCYKKNKI 360
 QY 361 VPSKEIVMWNLAELIPQSDVDVSDHVSQVTFNLTNETKPRGLFTYDAVYCCNEHGH 420
 Db 361 VPSKEIVMWNLAELIPQSDVDVSDHVSQVTFNLTNETKPRGLFTYDAVYCCNEHGH 420
 QY 421 RYAGLVINVININISQOTNGHLYTKTCTWSTSTIOSLAESTLELYRHSYCSNIPSIH 480
 Db 421 RYAGLVINVININISQOTNGHLYTKTCTWSTSTIOSLAESTLELYRHSYCSNIPSIH 480
 QY 481 PISEPKDCYLOSDGFYECIFQPIFILLSGYTWIRINHSLSGLSDSPPTCVLPDSVYKPLPP 540
 Db 481 PISEPKDCYLOSDGFYECIFQPIFILLSGYTWIRINHSLSGLSDSPPTCVLPDSVYKPLPP 540
 QY 541 SSVKAEITINIGLLKISWEKVPFENNLOFOIRGLSGKEVQWKYEVTPKPKSVSLPV 600
 Db 541 SSVKAEITINIGLLKISWEKVPFENNLOFOIRGLSGKEVQWKYEVTPKPKSVSLPV 600
 QY 601 PDLCAVAVQVRKRLDGLGYSWNSNPAYTVVMDIKVPMRGPEFWRINGDTMKKEKNV 660
 Db 601 PDLCAVAVQVRKRLDGLGYSWNSNPAYTVVMDIKVPMRGPEFWRINGDTMKKEKNV 660
 QY 661 YLLWKPLMKNDSLCSVQRYVINHHTSXNGTWSNVGNHKTFTFLWTEQAHTVTVLAINSI 720
 Db 661 YLLWKPLMKNDSLCSVQRYVINHHTSXNGTWSNVGNHKTFTFLWTEQAHTVTVLAINSI 720
 QY 721 GASVANFNLTFSWPMKKNIVQSLSAYPLNSSCVIVSWILSPSDVKLMYPIIWKNLNED 780
 Db 721 GASVANFNLTFSWPMKKNIVQSLSAYPLNSSCVIVSWILSPSDVKLMYPIIWKNLNED 780
 QY 781 GEIKWLRISSSVKYYIHDHPIPIEKYQFSLYPIFMGEGVKPKIINFTQNNIEKHQSDA 840
 Db 781 GEIKWLRISSSVKYYIHDHPIPIEKYQFSLYPIFMGEGVKPKIINFTQNNIEKHQSDA 840
 QY 841 GLYIVPVISSILLGLTLLISHQMKKLPWEDVNPKNCSWAQGLNFQK 891
 Db 841 GLYIVPVISSILLGLTLLISHQMKKLPWEDVNPKNCSWAQGLNFQK 891

RESULT 11

US-08-599-455B-4
 ; Sequence 4, Application US/08599455B
 ; Patent No. 5972621
 ; GENERAL INFORMATION:
 ; APPLICANT: Tartaglia, Louis A.
 ; APPLICANT: Tepper, Robert I.
 ; APPLICANT: Culpepper, Janice A.

TITLE OF INVENTION: METHODS OF IDENTIFYING COMPOUNDS THAT
MODULATE BODY WEIGHT USING THE OB RECEPTOR

NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:

ADDRESSEE: Fish & Richardson, P.C.
STREET: 225 Franklin Street
CITY: Boston
STATE: MA
COUNTRY: US

ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/599,455B
FILING DATE: 22-JAN-1996

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/583,153
FILING DATE: 28-DEC-1995
APPLICATION NUMBER: 08/570,142
FILING DATE: 11-DEC-1995
APPLICATION NUMBER: 08/569,485
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: 08/566,622
FILING DATE: 04-DEC-1995
APPLICATION NUMBER: 08/562,663
FILING DATE: 27-NOV-1995

ATTORNEY/AGENT INFORMATION:
NAME: Meiklejohn, Ph.D., Anita L.
REGISTRATION NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 07334/017001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-542-5070
TELEFAX: 617-542-8906
TELEX: 200154

INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 1165 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
US-08-599-455B-4

Query Match 95.3%; Score 4614; DB 2; Length 1165;
Best Local Similarity 96.2%; Pred. No. 0;
Matches 857; Conservative 16; Mismatches 18; Indels 0; Gaps 0;

Qy 1 MICGFCVLLHWQFIYVITAFNLSYDITPWRFKLSCMPNSTNYFLLPAGLSKNTS 60
Db 1 MICGFCVLLHWQFIYVITAFNLSYDITPWRFKLSCMPNSTNYFLLPAGLSKNTS 60

Qy 61 NGHYETAPEKFNSSGTHFNSLSTTHCCFRSQDRNCSCADNIEGRFTFVTSVLSVF 120
Db 61 NGHYETAPEKFNSSGTHFNSLSTTHCCFRSQDRNCSCADNIEGRFTFVTSVLSVF 120

Qy 121 QOIDANWNIQWLKGLDLKLFICYVESLFPKLFNRYNRYKVLHLLVLPVLEDSPLVPQKS 180
Db 121 QOIDANWNIQWLKGLDLKLFICYVESLFPKLFNRYNRYKVLHLLVLPVLEDSPLVPQKS 180

Qy 181 FQWVHCNCSVECECLVPVPTAKLNTLLMCLKITSGGVIEXPLMSVOPINNVKPDPP 240
Db 181 FQWVHCNCSVECECLVPVPTAKLNTLLMCLKITSGGVIEXPLMSVOPINNVKPDPP 240

Qy 241 LGLHMETDDGNLKIWSNPPPLVPFPLOQYQVKSSENSTTVIRADKIVSATSLLVDSILP 300
Db 241 LGLHMETDDGNLKIWSNPPPLVPFPLOQYQVKSSENSTTVIRADKIVSATSLLVDSILP 300

Qy 301 GSSYEVOVRKRLDGPGLWSNDSPRVTFTQDVIYFPFKILTSVGSNVSEHCYKKNKI 360
Db 301 GSSYEVOVRKRLDGPGLWSNDSPRVTFTQDVIYFPFKILTSVGSNVSEHCYKKNKI 360

Qy 361 VPSKEIVVMHNLAEILPOSQYDVSDHVSQVSKYTFNRLNETKRGLETYDAVCCNEHGCH 420
Db 361 VPSKEIVVMHNLAEILPOSQYDVSDHVSQVSKYTFNRLNETKRGLETYDAVCCNEHGCH 420

Qy 421 RYAGLYVINVNINISCTQNGYLTMTCTWSTSTIQSLAESTLELRYHRSSLYCSNIPSIH 480
Db 421 RYAGLYVINVNINISCTQNGYLTMTCTWSTSTIQSLAESTLELRYHRSSLYCSNIPSIH 480

Qy 481 PISEPKNCYLOSGFYQCIPOIFLLSGYTMWIRINHSIGLSNPSPTCVLPDSVVKPLPP 540
Db 481 PISEPKNCYLOSGFYQCIPOIFLLSGYTMWIRINHSIGLSNPSPTCVLPDSVVKPLPP 540

Qy 541 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRCTGLSGKEVQWKNYEVTPNPKPKSVSLPV 600
Db 541 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRCTGLSGKEVQWKNYEVTPNPKPKSVSLPV 600

Qy 601 PDLCAVYAVQVRKLDGLGYWSNWSNPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 660
Db 601 PDLCAVYAVQVRKLDGLGYWSNWSNPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 660

Qy 661 YLLWKPLMKNDLSCSVQRYVINHHTSXNGTWSNENGNHTKFTFLTEQAHVTVLAINSI 720
Db 661 YLLWKPLMKNDLSCSVQRYVINHHTSXNGTWSNENGNHTKFTFLTEQAHVTVLAINSI 720

Qy 721 GASVANFNLTFSWPMKKNIVQSLSAYPLNSCVIVSWILSPSDVKLMPPIEWKLNED 780
Db 721 GASVANFNLTFSWPMKKNIVQSLSAYPLNSCVIVSWILSPSDVKLMPPIEWKLNED 780

Qy 781 GEIKWLRISSSVKYYIHDHPIEKYQFSLYPIEMEGVGKPKIINSTONNIEKHQSDA 840
Db 781 GEIKWLRISSSVKYYIHDHPIEKYQFSLYPIEMEGVGKPKIINSTONNIEKHQSDA 840

Qy 841 GLYIVPVPIISSILLGLTLISHORMKLFWEDEVNPNKNCWAQGLNFQK 891
Db 841 GLYIVPVPIISSILLGLTLISHORMKLFWEDEVNPNKNCWAQGLNFQK 891

RESULT 12
US-09-093-814-1
Sequence 1, Application US/09093814
Patent No. 6270981
GENERAL INFORMATION:
APPLICANT: Carpenter et al.
TITLE OF INVENTION: ASSAY SYSTEMS FOR LEPTIN-ENHANCING AGENTS
FILE REFERENCE: REG 580-A
CURRENT APPLICATION NUMBER: US/09/093,814
CURRENT FILING DATE: 1998-06-09
PRIOR APPLICATION NUMBER: 60/049,108
PRIOR FILING DATE: 1997-06-09
NUMBER OF SEQ ID NOS: 1
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 1
LENGTH: 1165
TYPE: PRT
ORGANISM: Homo sapiens
US-09-093-814-1

Query Match 95.3%; Score 4614; DB 3; Length 1165;
Best Local Similarity 96.2%; Pred. No. 0;
Matches 857; Conservative 16; Mismatches 18; Indels 0; Gaps 0;

Qy 1 MICGFCVLLHWQFIYVITAFNLSYDITPWRFKLSCMPNSTNYFLLPAGLSKNTS 60
Db 1 MICGFCVLLHWQFIYVITAFNLSYDITPWRFKLSCMPNSTNYFLLPAGLSKNTS 60

Qy 61 NGHYETAPEKFNSSGTHFNSLSTTHCCFRSQDRNCSCADNIEGRFTFVTSVLSVF 120
Db 61 NGHYETAPEKFNSSGTHFNSLSTTHCCFRSQDRNCSCADNIEGRFTFVTSVLSVF 120

Qy 121 QOIDANWNIQWLKGLDLKLFICYVESLFPKLFNRYNRYKVLHLLVLPVLEDSPLVPQKS 180
Db 121 QOIDANWNIQWLKGLDLKLFICYVESLFPKLFNRYNRYKVLHLLVLPVLEDSPLVPQKS 180

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QY 181 FQVHCNCSVHECCBCLVPVPTAKLNDTLMLCLKITSGVIFXSPKMSVQPINWVKDPP 240
DB 181 FQVHCNCSVHECCBCLVPVPTAKLNDTLMLCLKITSGVIFXSPKMSVQPINWVKDPP 240
QY 241 LGLHMEITDDGNLKIWSWSPPLVPFPLOQYQVKYSENSTTVIREADKIVSATSLVDSILP 300
DB 241 LGLHMEITDDGNLKIWSWSPPLVPFPLOQYQVKYSENSTTVIREADKIVSATSLVDSILP 300
QY 301 GSSYEVQVRGKELDGPFGVSWDSTPRVTTQDVIFPPKILTSVGSNVSFHCIIYKKNKI 360
DB 301 GSSYEVQVRGKELDGPFGVSWDSTPRVTTQDVIFPPKILTSVGSNVSFHCIIYKKNKI 360
QY 361 VPSKEIIVMWHNLAEKIPQSDVDVSDHVSQVTFNFKLNETKPRGLFTYDAVYCCNEHCCH 420
DB 361 VPSKEIIVMWHNLAEKIPQSDVDVSDHVSQVTFNFKLNETKPRGLFTYDAVYCCNEHCCH 420
QY 421 RYAGLYVINVINISQNTGNYLTQMTCTWSTSTQSLAESTLELRHRSLSYCSNIPSIH 480
DB 421 RYAGLYVINVINISQNTGNYLTQMTCTWSTSTQSLAESTLELRHRSLSYCSNIPSIH 480
QY 481 PISEPKCYLOSNGFYQICPOPIFILSGYTWIRINHSGLSLSNPCTCVLPDSVVKPLPP 540
DB 481 PISEPKCYLOSNGFYQICPOPIFILSGYTWIRINHSGLSLSNPCTCVLPDSVVKPLPP 540
QY 541 SSVKAEITINIGLAKISWEKVPFPENNLOFQIRTLGSGKEYQWQXVEYTMFKPKSVSLPV 600
DB 541 SSVKAEITINIGLAKISWEKVPFPENNLOFQIRTLGSGKEYQWQXVEYTMFKPKSVSLPV 600
QY 601 PDLCAVAVQVRKELDGLGYSWNSNPAYTVVMDIKVPMRGPEFWRLINGDTMKKEKNV 660
DB 601 PDLCAVAVQVRKELDGLGYSWNSNPAYTVVMDIKVPMRGPEFWRLINGDTMKKEKNV 660
QY 661 YLLWPKLMDNLSQVQRYVINHTSXNGTWSNVGNHKTFTFLWTQAHVTVVLANSI 720
DB 661 YLLWPKLMDNLSQVQRYVINHTSXNGTWSNVGNHKTFTFLWTQAHVTVVLANSI 720
QY 721 GASVANFNLTSWPMKSNVQVSLSAVPLNSCIVSWILSPSDVKMLPIIENWKNLNE 780
DB 721 GASVANFNLTSWPMKSNVQVSLSAVPLNSCIVSWILSPSDVKMLPIIENWKNLNE 780
QY 781 GEIKWLRISSVKKYIHDHPIEKYQFSLYPIFMGCVGKPKLINSFTQNNIEKHQSDA 840
DB 781 GEIKWLRISSVKKYIHDHPIEKYQFSLYPIFMGCVGKPKLINSFTQNNIEKHQSDA 840
QY 841 GLYVIVPVISSILLGLTLLISHQRMKCLFWEDVVPNPKNCWSAQGLNFQK 891
DB 841 GLYVIVPVISSILLGLTLLISHQRMKCLFWEDVVPNPKNCWSAQGLNFQK 891
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RESULT 13

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US-09-069-781B-4
; Sequence 4, Application US/09069781B
; Patent No. 6287782
; GENERAL INFORMATION:
; APPLICANT: Tartaglia, Louis A.
; APPLICANT: Tepper, Robert I.
; APPLICANT: Culpepper, Janice A.
; APPLICANT: White, David W.
; TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR
; TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS,
; TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson, P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: US
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
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; OPERATING SYSTEM: Windows95
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/069,781B
; FILING DATE: 29-APRIL-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/864,564
; FILING DATE: 28-MAY-1997
; APPLICATION NUMBER: US 08/708,123
; FILING DATE: 03-SEP-1996
; APPLICATION NUMBER: US 08/638,524
; FILING DATE: 26-APR-1996
; APPLICATION NUMBER: US 08/599,455
; FILING DATE: 22-JAN-1996
; APPLICATION NUMBER: US 08/583,153
; FILING DATE: 28-DEC-1995
; APPLICATION NUMBER: US 08/570,142
; FILING DATE: 11-DEC-1995
; APPLICATION NUMBER: US 08/569,485
; FILING DATE: 08-DEC-1995
; APPLICATION NUMBER: US 08/566,622
; FILING DATE: 04-DEC-1995
; APPLICATION NUMBER: US 08/562,663
; FILING DATE: 27-NOV-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Meikiejohn, Ph.D., Anita L.
; REGISTRATION NUMBER: 35,283
; REFERENCE/DOCKET NUMBER: 07334/082001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 542-5070
; TELEFAX: (617) 542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1165 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; FRAGMENT TYPE: internal
; US-09-069-781B-4
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Query Match 95.3%; Score 4614; DB 3; Length 1165;
Best Local Similarity 96.2%; Pred. No. 0;
Matches 857; Conservative 16; Mismatches 18; Indels 0; Gaps 0;

QY 1 MICQKFCVLLHWQIYVITAFNLSYPTIPWRFKLSCHPPNSTNYFLLPAGLSKNTSNS 60
DB 1 MICQKFCVLLHWQIYVITAFNLSYPTIPWRFKLSCHPPNSTNYFLLPAGLSKNTSNS 60
QY 61 NGHYETAPEPKENSSGTHFSNLSKTTFFCCPSEODRNCSLCADNIEGRFTVSTVNSLVF 120
DB 61 NGHYETAPEPKENSSGTHFSNLSKTTFFCCPSEODRNCSLCADNIEGRFTVSTVNSLVF 120
QY 121 QQIDANWNIQCWLKGLDLKLFICYVESLFPKLPFRNRYNKHLLIYLVPEVLESPLVPQKGS 180
DB 121 QQIDANWNIQCWLKGLDLKLFICYVESLFPKLPFRNRYNKHLLIYLVPEVLESPLVPQKGS 180
QY 181 FQVHCNCSVHECCBCLVPVPTAKLNDTLMLCLKITSGVIFXSPKMSVQPINWVKDPP 240
DB 181 FQVHCNCSVHECCBCLVPVPTAKLNDTLMLCLKITSGVIFXSPKMSVQPINWVKDPP 240
QY 241 LGLHMEITDDGNLKIWSWSPPLVPFPLOQYQVKYSENSTTVIREADKIVSATSLVDSILP 300
DB 241 LGLHMEITDDGNLKIWSWSPPLVPFPLOQYQVKYSENSTTVIREADKIVSATSLVDSILP 300
QY 301 GSSYEVQVRGKELDGPFGVSWDSTPRVTTQDVIFPPKILTSVGSNVSFHCIIYKKNKI 360
DB 301 GSSYEVQVRGKELDGPFGVSWDSTPRVTTQDVIFPPKILTSVGSNVSFHCIIYKKNKI 360
QY 361 VPSKEIIVMWHNLAEKIPQSDVDVSDHVSQVTFNFKLNETKPRGLFTYDAVYCCNEHCCH 420
DB 361 VPSKEIIVMWHNLAEKIPQSDVDVSDHVSQVTFNFKLNETKPRGLFTYDAVYCCNEHCCH 420
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QY 421 RYAGLYVINVNINISCTNGYLTMTKTCRWSTSTIQSLAESTLELRVHRSSLYCSNIPSIH 480
DB 421 RYAEALYVIDVNINISCTDGYLTMTKTCRWSTSTIQSLAESTLQLRVHRSSLYCSNIPSIH 480
QY 481 PISEPKNCYLQSGFVQCIPQPIFLLSGYTMWIRINHSLSGSLNSPPTCVLPDSVVKPLPP 540
DB 481 PISEPKDCYLQSDGFYECIFQPIFLLSGYTMWIRINHSLSGSLNSPPTCVLPDSVVKPLPP 540
QY 541 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRTLGSGKEVQWKYEVNTNPKKSVSLPV 600
DB 541 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRYGLSGKEVQWKYEVNTNPKKSVSLPV 600
QY 601 PDLCAVAVQVRKRLDGLGYWNSNPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 660
DB 601 PDLCAVAVQVRKRLDGLGYWNSNPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 660
QY 661 YLLWKPLMKNDLSLCSVQRYVINHHTSANGTWSNVGNHTKFTFLWTEQAHTVTVLAINSI 720
DB 661 TLLWKPLMKNDLSLCSVQRYVINHHTSCNGTWSNVGNHTKFTFLWTEQAHTVTVLAINSI 720
QY 721 GASVANFNLTFSWPMKSNIVQSLAYSPLNSSCVIVSWILSPSDVKLMYPIIEWKNLNE 780
DB 721 GASVANFNLTFSWPMKSNIVQSLAYSPLNSSCVIVSWILSPSDVKLMYPIIEWKNLNE 780
QY 781 GEIKWLRISSSVKYYIHDHFIPIEKYQFSLYPIFMEGVGKPKIINSFTQNNIEKHQSDA 840
DB 781 GEIKWLRISSSVKYYIHDHFIPIEKYQFSLYPIFMEGVGKPKIINSFTQNNIEKHQSDA 840
QY 841 GLYVIVPVISSSILLGLTLLISHQRMKKLFWEDVFNPKNCSWAQLNFOK 891
DB 841 GLYVIVPVISSSILLGLTLLISHQRMKKLFWEDVFNPKNCSWAQLNFOK 891

RESULT 14

US-08-618-957A-11
Sequence 11, Application US/08618957A
Patent No. 6355237
GENERAL INFORMATION:
APPLICANT: Snodgrass, H. Ralph
APPLICANT: Cioffi, Joseph
APPLICANT: Zupancic, Thomas Joel
APPLICANT: Shafer, Alan Wayne
TITLE OF INVENTION: METHODS FOR USING THE OBSE
TITLE OF INVENTION: GENE AND ITS GENE PRODUCT TO STIMULATE HEMATOPOIETIC
TITLE OF INVENTION: DEVELOPMENT
NUMBER OF SEQUENCES: 28
CORRESPONDENCE ADDRESS:
ADDRESS: Pennie & Edmonds LLP
STREET: 1155 Avenue of The Americas
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10036-2811
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/618,957A
FILING DATE: 20-MAR-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Poissant, Brian M.
REGISTRATION NUMBER: 28,462
REFERENCE/DOCKET NUMBER: 008907-0033-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-493-4935
TELEFAX: 650-493-5556
TELEX: 66141 PENNIE

INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 1165 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-618-957A-11

Query Match 95.3%; Score 4614; DB 4; Length 1165;
Best Local Similarity 96.2%; Pred No. 0;
Matches 857; Conservative 16; Mismatches 18; Indels 0; Gaps 0;

QY 1 MICGKFCVLLHWQFIYVITAFNLSYPIPTPRFKLSMPPNSTNTNYFLPAGLSKNTNS 60
DB 1 MICQKFCVLLHWFIYVITAFNLSYPIPTPRFKLSMPPNSTYDYFLPAGLSKNTNS 60
QY 61 NGHETATAPKFNSSGTHFSNLSKTTTFCRSEODRNCSCADNIEGRTFTVSTVNSLVF 120
DB 61 NGHETATAPKFNSSGTHFSNLSKTTTFCRSEODRNCSCADNIEGRTFTVSTVNSLVF 120
QY 121 QQIDANWNIQWLKGDGLKLFICYVESLFPKLFNRYNYKVHLLYVLPVLEDSPLVPQKS 180
DB 121 QQIDANWNIQWLKGDGLKLFICYVESLFPKLFNRYNYKVHLLYVLPVLEDSPLVPQKS 180
QY 181 FQWHECNCSVHECCBCLVPVPTAKLNDTLLMCLKITSGVIFXSPMSVQPINMYKPPPP 240
DB 181 FQWHECNCSVHECCBCLVPVPTAKLNDTLLMCLKITSGVIFXSPMSVQPINMYKPPPP 240
QY 241 LGLHMEITDDGNLKIWSSPPLVPPLOVQVKYSENSTTVIREADKIYSATSLLVDSILP 300
DB 241 LGLHMEITDDGNLKIWSSPPLVPPLOVQVKYSENSTTVIREADKIYSATSLLVDSILP 300
QY 301 GSSYEVQVRGKLDGPGIWSMDSTPRVFTTQDVIYFPFKILTSVGSNSVSHCIYKKNKI 360
DB 301 GSSYEVQVRGKLDGPGIWSMDSTPRVFTTQDVIYFPFKILTSVGSNSVSHCIYKKNKI 360
QY 361 VPSKEIWMWNLAEILPQSDYDVSDHVKVTFNENETKPRGLTYDAVYCCNHEGCHH 420
DB 361 VPSKEIWMWNLAEILPQSDYDVSDHVKVTFNENETKPRGLTYDAVYCCNHEGCHH 420
QY 421 RYAGLYVINVNINISCTNGYLTMTKTCRWSTSTIQSLAESTLELRVHRSSLYCSNIPSIH 480
DB 421 RYAEALYVIDVNINISCTDGYLTMTKTCRWSTSTIQSLAESTLQLRVHRSSLYCSNIPSIH 480
QY 481 PISEPKNCYLQSGFVQCIPQPIFLLSGYTMWIRINHSLSGSLNSPPTCVLPDSVVKPLPP 540
DB 481 PISEPKDCYLQSDGFYECIFQPIFLLSGYTMWIRINHSLSGSLNSPPTCVLPDSVVKPLPP 540
QY 541 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRTLGSGKEVQWKYEVNTNPKKSVSLPV 600
DB 541 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRYGLSGKEVQWKYEVNTNPKKSVSLPV 600
QY 601 PDLCAVAVQVRKRLDGLGYWNSNPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 660
DB 601 PDLCAVAVQVRKRLDGLGYWNSNPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 660
QY 661 YLLWKPLMKNDLSLCSVQRYVINHHTSANGTWSNVGNHTKFTFLWTEQAHTVTVLAINSI 720
DB 661 TLLWKPLMKNDLSLCSVQRYVINHHTSCNGTWSNVGNHTKFTFLWTEQAHTVTVLAINSI 720
QY 721 GASVANFNLTFSWPMKSNIVQSLAYSPLNSSCVIVSWILSPSDVKLMYPIIEWKNLNE 780
DB 721 GASVANFNLTFSWPMKSNIVQSLAYSPLNSSCVIVSWILSPSDVKLMYPIIEWKNLNE 780
QY 781 GEIKWLRISSSVKYYIHDHFIPIEKYQFSLYPIFMEGVGKPKIINSFTQNNIEKHQSDA 840
DB 781 GEIKWLRISSSVKYYIHDHFIPIEKYQFSLYPIFMEGVGKPKIINSFTQNNIEKHQSDA 840
QY 841 GLYVIVPVISSSILLGLTLLISHQRMKKLFWEDVFNPKNCSWAQLNFOK 891
DB 841 GLYVIVPVISSSILLGLTLLISHQRMKKLFWEDVFNPKNCSWAQLNFOK 891

RESULT 15
US-09-137-132-4
; Sequence 4, Application US/09137132
; Patent No. 6380363
; GENERAL INFORMATION:
; APPLICANT: Tartaglia, Louis A.
; APPLICANT: Tepper, Robert I.
; APPLICANT: Culpepper, Janice A.
; APPLICANT: White, David W.
; TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR
; TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS,
; TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson, P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: US
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows95
; SOFTWARE: Fast-SEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/137,132
; FILING DATE: 18-AUG-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/864,564
; FILING DATE: 28-MAY-1997
; APPLICATION NUMBER: 08/708,123
; FILING DATE: 03-SEP-1996
; APPLICATION NUMBER: 08/638,524
; FILING DATE: 26-APR-1996
; APPLICATION NUMBER: 08/599,455
; FILING DATE: 22-JAN-1996
; APPLICATION NUMBER: 08/583,153
; FILING DATE: 28-DEC-1995
; APPLICATION NUMBER: 08/570,142
; FILING DATE: 11-DEC-1995
; APPLICATION NUMBER: 08/569,485
; FILING DATE: 08-DEC-1995
; APPLICATION NUMBER: 08/566,622
; FILING DATE: 04-DEC-1995
; APPLICATION NUMBER: 08/562,663
; FILING DATE: 27-NOV-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Meiklejohn, Ph.D., Anita L.
; REGISTRATION NUMBER: 35,283
; REFERENCE/DOCKET NUMBER: 07334/019004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-542-5070
; TELEFAX: 617-542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1165 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; FRAGMENT TYPE: internal
US-09-137-132-4

Query Match 95.3%; Score 4614; DB 4; Length 1165;
Best Local Similarity 96.2%; Pred. No. 0;
Matches 857; Conservative 16; Mismatches 18; Indels 0; Gaps 0;

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DB 61 NGHYETAVEPKENSSGTHFNSLTKTTHCCFRSEODRNCSLCADNIEGRTFTVSTVNSLVF 120
QY 121 QOIDANWNIQCWLKGDGLKLFICYVESLFPKLNPRNYKVHLLYLPEVLESPLVPQKGS 180
DB 121 QOIDANWNIQCWLKGDGLKLFICYVESLFPKLNPRNYKVHLLYLPEVLESPLVPQKGS 180
QY 181 FQWHCNCSVHCCCLVPVPTAKLNDTLLMCLKITSGGVIFXSPLMVQPINMVKPDP 240
DB 181 FQWHCNCSVHCCCLVPVPTAKLNDTLLMCLKITSGGVIFXSPLMVQPINMVKPDP 240
QY 241 LGHWEITDDGNLKIWSWSSPLVPFPLOQVQKYSNSTTVIREADKIYSATSLVDSLTP 300
DB 241 LGHWEITDDGNLKIWSWSSPLVPFPLOQVQKYSNSTTVIREADKIYSATSLVDSLTP 300
QY 301 GSSYEQVQVRGKLDGPGIWSMDSTPRVFTTQDVYFPPPKILTSVGSNVSFHCYKKNKI 360
DB 301 GSSYEQVQVRGKLDGPGIWSMDSTPRVFTTQDVYFPPPKILTSVGSNVSFHCYKKNKI 360
QY 361 VPSKEIIVWHNLAEIIPQSDYDVSDHVKVTFNNLNETKRGLETYDAVYCCNEHGHCH 420
DB 361 VPSKEIIVWHNLAEIIPQSDYDVSDHVKVTFNNLNETKRGLETYDAVYCCNEHGHCH 420
QY 421 RVAGLYVINVNINISQINGYLTKMTCRWSTSTIOSLAESTLELRHYRSSLYCSNIPSIH 480
DB 421 RVAGLYVINVNINISQINGYLTKMTCRWSTSTIOSLAESTLELRHYRSSLYCSNIPSIH 480
QY 481 PISEPKNCYLQNGFYQCIQPIFLLSGYTWIRINHSLGSLNSPPTCVLPDSVVKPLPP 540
DB 481 PISEPKNCYLQNGFYQCIQPIFLLSGYTWIRINHSLGSLNSPPTCVLPDSVVKPLPP 540
QY 541 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRYGLSGKEVQWKKYEVYDAKSVSPLV 600
DB 541 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRYGLSGKEVQWKKYEVYDAKSVSPLV 600
QY 601 PDLCAVYAVQVRKLDGLGYWSNWSNPAYTVVMDIKVPMERGPFWRINGDTWKKEKV 660
DB 601 PDLCAVYAVQVRKLDGLGYWSNWSNPAYTVVMDIKVPMERGPFWRINGDTWKKEKV 660
QY 661 YLLWKLKNDLSQVQRYVINHHSTXNGTWSENVGNHKTETLWTEQAHVTVVLAINSI 720
DB 661 YLLWKLKNDLSQVQRYVINHHSTXNGTWSENVGNHKTETLWTEQAHVTVVLAINSI 720
QY 721 GASVANFNLTFSWPMKSVNIQSLSAVPLNSCVIVSWILSPSDVKLMYPPIEWKNLNE 780
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QY 781 GEIKWLRISSSVKYYIHDHFIPIEKYQFSLYPIPMERGVPKINSFTQNNIEKHQSDA 840
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QY 841 GLYVIVPVISSILLGLTLLISHQRMKKLFWEDVNPKNCSWAQGLNFQK 891
DB 841 GLYVIVPVISSILLGLTLLISHQRMKKLFWEDVNPKNCSWAQGLNFQK 891

Search completed: August 11, 2004, 16:38:41
Job time : 30 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: August 11, 2004, 16:37:19 ; Search time 56 Seconds

(without alignments)
5022.834 Million cell updates/sec

Title: US-10-014-156-13

Perfect score: 4840

Sequence: 1 MICCKFCVLLHQFIYVIT.....NPKNCWAQGLNFKQRTNLL 896

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1292805 seqs, 31327144 residues

Total number of hits satisfying chosen parameters: 1292805

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA.*

- 1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep.*
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- 7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep.*
- 8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep.*
- 10: /cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
- 17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	4633	95.7	896	8	US-08-779-457-3
2	4633	95.7	896	14	US-10-214-802-3
3	4633	95.7	896	16	US-10-373-624A-2
4	4631	95.7	896	13	US-10-095-929-10
5	4618	95.4	898	14	US-10-245-616-3
6	4614	95.3	906	13	US-10-095-929-9
7	4614	95.3	923	8	US-08-779-457-4
8	4614	95.3	923	14	US-10-214-802-4
9	4614	95.3	1165	8	US-08-779-457-2
10	4614	95.3	1165	12	US-09-894-039-1
11	4614	95.3	1165	13	US-10-095-929-11
12	4614	95.3	1165	14	US-10-214-802-2
13	4614	95.3	1165	14	US-10-226-579-4
14	4612	95.3	958	13	US-10-095-929-8
15	4607	95.2	960	13	US-10-095-929-3

16	4600	95.0	1165	13	US-10-079-625-4	Sequence 4, Appli
17	4503.5	93.0	916	16	US-10-373-624A-4	Sequence 4, Appli
18	4503.5	93.0	1161	16	US-10-373-624A-8	Sequence 8, Appli
19	4503.5	93.0	1234	16	US-10-373-624A-6	Sequence 6, Appli
20	4135	85.4	804	10	US-09-116-676-10	Sequence 10, Appli
21	3660	75.6	894	13	US-10-095-929-12	Sequence 12, Appli
22	3653	75.5	894	8	US-08-779-457-51	Sequence 51, Appli
23	3653	75.5	894	13	US-10-079-625-2	Sequence 2, Appli
24	3639	75.2	1162	13	US-10-079-625-43	Sequence 43, Appli
25	3633	75.1	1162	14	US-10-226-579-2	Sequence 2, Appli
26	3018	62.4	783	8	US-08-779-457-7	Sequence 7, Appli
27	3018	62.4	783	14	US-10-214-802-7	Sequence 7, Appli
28	369	7.6	1158	9	US-09-935-868-26	Sequence 26, Appli
29	369	7.6	1158	14	US-10-287-035-26	Sequence 26, Appli
30	369	7.6	1158	14	US-10-282-162-26	Sequence 26, Appli
31	361	7.5	1168	9	US-09-935-868-24	Sequence 24, Appli
32	361	7.5	1168	14	US-10-287-035-24	Sequence 24, Appli
33	361	7.5	1168	14	US-10-282-162-24	Sequence 24, Appli
34	307	6.3	708	14	US-10-313-135-2	Sequence 2, Appli
35	307	6.3	918	10	US-09-972-708-8	Sequence 8, Appli
36	307	6.3	918	12	US-10-058-370A-32	Sequence 32, Appli
37	307	6.3	918	12	US-09-853-180-4	Sequence 4, Appli
38	307	6.3	918	14	US-10-177-293-230	Sequence 230, Appli
39	307	6.3	918	15	US-10-295-027-74	Sequence 74, Appli
40	307	6.3	918	16	US-10-715-667-8	Sequence 8, Appli
41	295.5	6.1	488	13	US-10-079-625-5	Sequence 5, Appli
42	295.5	6.1	807	12	US-10-311-473-12	Sequence 12, Appli
43	295.5	6.1	859	9	US-09-935-868-7	Sequence 7, Appli
44	295.5	6.1	859	14	US-10-287-035-7	Sequence 7, Appli
45	295.5	6.1	859	14	US-10-282-162-7	Sequence 7, Appli

ALIGNMENTS

RESULT 1

US-08-779-457-3
; Sequence 3, Application US/08779457
; Publication NO. US20020193571A1
; GENERAL INFORMATION:
; APPLICANT: Carter, Paul J.
; APPLICANT: Chiang, Nancy Y.
; APPLICANT: Kyung, Jin Kim
; APPLICANT: Matthews, William
; APPLICANT: Rodrigues, Maria L.
; TITLE OF INVENTION: WSX RECEPTOR AGONIST ANTIBODIES
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/779,457
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/667197
; FILING DATE: 06/20/96
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/585005
; FILING DATE: 01/08/96
; ATTORNEY/AGENT INFORMATION:
; NAME: Lee, Wendy M.
; REGISTRATION NUMBER: 40,378
; REFERENCE/DOCKET NUMBER: P0986P2

```

; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1994
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 896 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
US-08-779-457-3

Query Match 95.7%; Score 4633; DB 8; Length 896;
Best Local Similarity 96.1%; Pred. No. 0;
Matches 861; Conservative 17; Mismatches 18; Indels 0; Gaps 0;

QY 1 MICGFCVLLHWFQIYVITAFNLSPITPWRFKLSCMPNNTYFLLPAGLSKNTSNS 60
DB 1 MICGFCVLLHWFQIYVITAFNLSPITPWRFKLSCMPNNTYFLLPAGLSKNTSNS 60

QY 61 NGHYETAPEKFNSSGTHFNSLTKTTHCCPRSEODRNCSLCADNIEGRTFVSTVNSLVF 120
DB 61 NGHYETAPEKFNSSGTHFNSLTKTTHCCPRSEODRNCSLCADNIEGRTFVSTVNSLVF 120

QY 121 QOIDANWNIQWLKGDGLKLFICYVESLFPKLFNRYNYKVHLLYVLPVELEDSPLVPQKGS 180
DB 121 QOIDANWNIQWLKGDGLKLFICYVESLFPKLFNRYNYKVHLLYVLPVELEDSPLVPQKGS 180

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DB 181 FQWVHCNCSVHECCBCLVPVPTAKLNDTLMLCLKITSGVIFXPSPMSVQPINWVKPDP 240

QY 241 LGLHMEITDDGNLKIWSWSPPLFPFQYQVKSSENSTTVIREADKIVSATSLLVDSILP 300
DB 241 LGLHMEITDDGNLKIWSWSPPLFPFQYQVKSSENSTTVIREADKIVSATSLLVDSILP 300

; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1994
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 896 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
US-10-214-802-3

Query Match 95.7%; Score 4633; DB 14; Length 896;
Best Local Similarity 96.1%; Pred. No. 0;
Matches 861; Conservative 17; Mismatches 18; Indels 0; Gaps 0;

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QY 181 FQWVHCNCSVHECCBCLVPVPTAKLNDTLMLCLKITSGVIFXPSPMSVQPINWVKPDP 240
DB 181 FQWVHCNCSVHECCBCLVPVPTAKLNDTLMLCLKITSGVIFXPSPMSVQPINWVKPDP 240

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DB 241 LGLHMEITDDGNLKIWSWSPPLFPFQYQVKSSENSTTVIREADKIVSATSLLVDSILP 300

; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Winpatin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/214,802
; FILING DATE: 06-Aug-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/780,562
; FILING DATE: <Unknown>
; APPLICATION NUMBER: 08/S85005
; FILING DATE: 08-Jan-97
; APPLICATION NUMBER: 60/
; FILING DATE: 08-Jan-97
; ATTORNEY/AGENT INFORMATION:
; NAME: Lee, Wendy M.
; REGISTRATION NUMBER: 40,378
; REFERENCE/DOCKET NUMBER: P0986R1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1994
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 896 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-10-214-802-3

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 Db 301 GSSYEVOVRGRKLDGPGIWSWSPPLVPFPLQYQVYSENSTTVIREADKIIVSATSLLVDSILP 360
 QY 361 VPSKEIIVMHNLAELIPQSYQYDVSDHVSQVYFNNLNETKPRGLFTYDAVYCCNEHCHH 420
 Db 361 VPSKEIIVMHNLAELIPQSYQYDVSDHVSQVYFNNLNETKPRGLFTYDAVYCCNEHCHH 420
 QY 421 RYAGLYVINVNINISCTGNYLTMTCTRWSTSTQSLAESTLEIRYHRSLLYCSNIPSIH 480
 Db 421 RYAGLYVINVNINISCTGNYLTMTCTRWSTSTQSLAESTLEIRYHRSLLYCSNIPSIH 480
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 ; Sequence 2, Application US/10373624A
 ; Publication No. US20040132093A1
 ; GENERAL INFORMATION:
 ; APPLICANT: JOCKERS, Ralf
 ; TITLE OF INVENTION: METHOD FOR DETECTING LEPTIN LIGANDS
 ; FILE REFERENCE: FRV2002/0002US NP
 ; CURRENT APPLICATION NUMBER: US/10/373,624A
 ; PRIOR FILING DATE: 2003-02-25
 ; PRIOR APPLICATION NUMBER: FR0202431
 ; PRIOR FILING DATE: 2002-02-26
 ; NUMBER OF SEQ ID NOS: 8
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 2
 ; LENGTH: 896
 ; TYPE: PRT
 ; ORGANISM: homo sapiens
 US-10-373-624A-2

Query Match 95.78; Score 4633; DB 16; Length 896;
 Best Local Similarity 96.18; Pred. No. 0;
 Matches 861; Conservative 17; Mismatches 18; Indels 0; Gaps 0;

QY 1 MICGKFCVLLHMQFIYVITAFNLISYPITPWRFKLSWCPNNTNYFLLPAGLSKNTSNS 60
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Db 61 NGHYTEAVEPKFNSGTHFSNLSKTTFFHCCFRSEQDRNCSLCAADNIEGRTFVTVNSLVF 120
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 Db 181 FQWVHCNCSVHECCCECLVPVPTAKLNDTLLMCLKITSGGVIQFQSPVMSVQPINMVKPDP 240
 QY 241 LGLHMEITDDGNLKIWSWSPPLVPFPLQYQVYSENSTTVIREADKIIVSATSLLVDSILP 300
 Db 241 LGLHMEITDDGNLKIWSWSPPLVPFPLQYQVYSENSTTVIREADKIIVSATSLLVDSILP 300
 QY 301 GSSYEVOVRGRKLDGPGIWSWSPPLVPFPLQYQVYSENSTTVIREADKIIVSATSLLVDSILP 360
 Db 301 GSSYEVOVRGRKLDGPGIWSWSPPLVPFPLQYQVYSENSTTVIREADKIIVSATSLLVDSILP 360
 QY 361 VPSKEIIVMHNLAELIPQSYQYDVSDHVSQVYFNNLNETKPRGLFTYDAVYCCNEHCHH 420
 Db 361 VPSKEIIVMHNLAELIPQSYQYDVSDHVSQVYFNNLNETKPRGLFTYDAVYCCNEHCHH 420
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 Db 421 RYAGLYVINVNINISCTGNYLTMTCTRWSTSTQSLAESTLEIRYHRSLLYCSNIPSIH 480
 QY 481 PISEPKCYLQSGFYQCIPOPIFLLSGYTMWIRINHSLSGLNSPPTCVLPDSVVKPLPP 540
 Db 481 PISEPKCYLQSGFYQCIPOPIFLLSGYTMWIRINHSLSGLNSPPTCVLPDSVVKPLPP 540
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 Db 601 PDLCAVAVQVRKRLDGLGYSWNSNPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 660
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 Db 661 YLLWKPMLKNDLSCSVQRYVINHHTSXNGTWSNVGNHTKFTFLWTEQAHTVTVLAINSI 720
 QY 721 GASVANFNLTFSWPMKSNIVQSLAYPLNSSCVIVSWILSPSDVKLMYPIIEWKNLNE 780
 Db 721 GASVANFNLTFSWPMKSNIVQSLAYPLNSSCVIVSWILSPSDVKLMYPIIEWKNLNE 780
 QY 781 GEIKWLRISSSVKYYIHDHFIPIEKYQFSLYPIFMEGVGKPKIINSFTQNNIEKHQSDA 840
 Db 781 GEIKWLRISSSVKYYIHDHFIPIEKYQFSLYPIFMEGVGKPKIINSFTQNNIEKHQSDA 840
 QY 841 GLYVIVPVIISSSILLGLTLLISHORMKCLFWEDVNPKNCSWAQGLNFQKRTNIL 896
 Db 841 GLYVIVPVIISSSILLGLTLLISHORMKCLFWEDVNPKNCSWAQGLNFQKRTNIL 896

RESULT 4
 US-10-095-929-10
 ; Sequence 10, Application US/10095929
 ; Publication No. US20020197232A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Snodgrass, H. Ralph
 ; Cioffi, Joseph
 ; Zupancic, Thomas Joel
 ; Shafer, Alan Wayne
 ; TITLE OF INVENTION: METHODS FOR USING THE OBES
 ; GENE AND ITS GENE PRODUCT TO STIMULATE HEMATOPOIETIC
 ; DEVELOPMENT
 ; NUMBER OF SEQUENCES: 28
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Pennie & Edmonds LLP
 ; STREET: 1155 Avenue of The Americas
 ; CITY: New York

```

STATE: NY
COUNTRY: USA
ZIP: 10036-2811
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/095,929
FILING DATE: 12-Mar-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/618,957
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Poissant, Brian M.
REGISTRATION NUMBER: 28,462
REFERENCE/DOCKET NUMBER: 008907-0033-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-493-4935
TELEFAX: 650-493-5556
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 896 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 10:
US-10-095-929-10

Query Match          95.7%; Score 4631; DB 13; Length 896;
Best Local Similarity 96.1%; Pred. No. 0;
Matches 861; Conservative 16; Mismatches 19; Indels 0; Gaps 0;

QY 1 MICGFCVLLHWQIYVITAFNPISYPTIPRFLKSCMPNNTNYFLLPAGLSKNTSNS 60
DB 1 MICQFCVLLHWIYVITAFNPISYPTIPRFLKSCMPNNTYDYFLLPAGLSKNTSNS 60
QY 61 NGHYTEVPEKPNSSGTHFSNLSKTTTFCPRSDRNCSLCADNIEGRFTVSNLVP 120
DB 61 NGHYTEVPEKPNSSGTHFSNLSKATPCPRSEQRNCSLCADNIEGRFTVSNLVP 120
QY 121 QOIDANWNIQWLKGLDLKFLICYVESLFKNLFRNRYKVHLLYVLPEVLEDSPLVPQKS 180
DB 121 QOIDANWNIQWLKGLDLKFLICYVESLFKNLFRNRYKVHLLYVLPEVLEDSPLVPQKS 180
QY 181 FQVHCNCSVHECCCLVPVPTAKLNDLLCLKITSGVIFXSPLSMVQPINNVKDDPP 240
DB 181 FQVHCNCSVHECCCLVPVPTAKLNDLLCLKITSGVIFRSPLSMVQPINNVKDDPP 240
QY 241 LGLHWEITDDGNLKLISWSSPPLVPPLQYQVYSENSTTVIREADKIVSATSLLVDSILP 300
DB 241 LGLHWEITDDGNLKLISWSSPPLVPPLQYQVYSENSTTVIREADKIVSATSLLVDSILP 300
QY 301 GSSYEYQVRGKELDGPFGIWSDMSTPRVFTTQDVYFPPKILTSVGSNVSPHICYKENKI 360
DB 301 GSSYEYQVRGKELDGPFGIWSDMSTPRVFTTQDVYFPPKILTSVGSNVSPHICYKENKI 360
QY 361 VPSKEIVWNNLAELIPQSDYVDVSDHVSQVYTFENLAKETKRGFTTYDAVVCNEHCCHH 420
DB 361 VPSKEIVWNNLAELIPQSDYVDVSDHVSQVYTFENLAKETKRGFTTYDAVVCNEHCCHH 420
QY 421 RVAGLYVINVININISQNGYLTMTKRWSTSTIQSLAESTLELRYHRSLLYCSNIPSIH 480
DB 421 RVAGLYVINVININISQNGYLTMTKRWSTSTIQSLAESTLELRYHRSLLYCSNIPSIH 480
QY 481 PISEPANCYQSGNGYQICIPQIFLLSGYTWIRINHSLSGINSPPCTVLPDSVVKPLPP 540
DB 481 PISEPKDCYQSGNGYECIFQIFLLSGYTWIRINHSLSGINSPPCTVLPDSVVKPLPP 540

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QY 541 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRTLGSGKEVQWKMVEYTNPKXSLSLPV 600
DB 541 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRYGLSGKEVQWKMVEYDYDAKSXSLSLPV 600
QY 601 PDLCAVYAVQVRKELDGLGYWSNMSNPAYTVMDIKVPMRGPEFWRIINGDTMKKEKNV 660
DB 601 PDLCAVYAVQVRKELDGLGYWSNMSNPAYTVMDIKVPMRGPEFWRIINGDTMKKEKNV 660
QY 661 YLLWPLMKNDLSLCSVQRYVINHHTSXNGTWSENVGNHTKFTLWTEQARTVTVLAINSI 720
DB 661 YLLWPLMKNDLSLCSVQRYVINHHTSXNGTWSENVGNHTKFTLWTEQARTVTVLAINSI 720
QY 721 GASVANFNLTFSWPMKSNIVQSLGAYPLNSCVIVSWILSPSDVKLMYPIIEWKNLNE 780
DB 721 GASVANFNLTFSWPMKSNIVQSLGAYPLNSCVIVSWILSPSDVKLMYPIIEWKNLNE 780
QY 781 GEIKWLRISSSVKYYIHDHFIPIEKYQFSLYPIFMEGVGKPKIINSTONNIEKHQSDA 840
DB 781 GEIKWLRISSSVKYYIHDHFIPIEKYQFSLYPIFMEGVGKPKIINSTODDIEKHQSDA 840
QY 841 GLWVIVPVISSSILLGLTLLISHQRMKKLFWEDVPNPKNCNCSWAQGLNFQKRTNII 896
DB 841 GLWVIVPVISSSILLGLTLLISHQRMKKLFWEDVPNPKNCNCSWAQGLNFQKRTDIL 896

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RESULT 5

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US-10-245-616-3
; Sequence 3, Application US/10245616
; Publication No. US20030062612A1
; GENERAL INFORMATION:
; APPLICANT: Snodgrass, H.
;             Cioffi, Joseph
;             Zupancic, Thomas
;             Shafer, Alan
; TITLE OF INVENTION: DETECTION OF A LEPTIN RECEPTOR VARIANT
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESS: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: US
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/245,616
; FILING DATE: 17-Sep-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/588,189
; FILING DATE: 18-JAN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-101
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 898 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-10-245-616-3

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Query Match 95.4%; Score 4618; DB 14; Length 898;
Best Local Similarity 95.9%; Pred. No. 0;
Matches 859; Conservative 16; Mismatches 21; Indels 0; Gaps 0;

QY 1 MICGFCVLLHQFIYVITAFNLSPYITPWFKLSKMPNNTTYFLLPAGLSKNTS 60
DB 3 MICGFCVLLHWEFIYVITAFNLSPYITPWFKLSKMPNNTTYFLLPAGLSKNTS 62
QY 61 NGHETAVEPKFNSSGTHFNSLKTTHCCFRSEODRNCSCADNIEGRTFVSTVNSLVF 120
DB 63 NGHETAVEPKFNSSGTHFNSLKTTHCCFRSEODRNCSCADNIEGRTFVSTVNSLVF 122
QY 121 QOIDANWNIQCNLKGDLKLFICYVESLFKNLPNNYKVLHLYLVLEVLDSPLVPQKS 180
DB 123 QOIDANWNIQCNLKGDLKLFICYVESLFKNLPNNYKVLHLYLVLEVLDSPLVPQKS 182
QY 181 FQWVHCNCSVHECCECLVPVPTAKLNDTLMLCLKITSGGVIFXSPMLSVQPINMVKPDP 240
DB 183 FQWVHCNCSVHECCECLVPVPTAKLNDTLMLCLKITSGGVIFXSPMLSVQPINMVKPDP 242
QY 241 LGLHMEITDDGNLKIWSWSPPLVPFPLOYQVKYSENSTTVIREADKIVSATSLVDSILP 300
DB 243 LGLHMEITDDGNLKIWSWSPPLVPFPLOYQVKYSENSTTVIREADKIVSATSLVDSILP 302
QY 301 GSSYEVOVRGKLDGPGIWSDMSTPRVFTTQDVIVFPFKILTSGVNSVSHCIYKKNKI 360
DB 303 GSSYEVOVRGKLDGPGIWSDMSTPRVFTTQDVIVFPFKILTSGVNSVSHCIYKKNKI 362
QY 361 VPSKEIWWNNLAELIPQSQYDWDVSDHVSQVTFNNLNETKPRGLFTYDVCNEHCCH 420
DB 363 VPSKEIWWNNLAELIPQSQYDWDVSDHVSQVTFNNLNETKPRGLFTYDVCNEHCCH 422
QY 421 RYAGLYVINVNINISCTGVLTKWTCRWSTSTIQSLAESTLQLRHRSSLYCSNIPSIH 480
DB 423 RYAGLYVINVNINISCTGVLTKWTCRWSTSTIQSLAESTLQLRHRSSLYCSNIPSIH 482
QY 481 PISEPKNCYLQSGFYOCIPQIFLLSGYTMWIRINHSGLSLSNPPCTCVLPDSVWKP 540
DB 483 PISEPKNCYLQSGFYOCIPQIFLLSGYTMWIRINHSGLSLSNPPCTCVLPDSVWKP 542
QY 541 SSVKAEITINIGLLKISWEKVPFNNLOFQIRGLSGKEVQWKNVEYTPKPSVSLPV 600
DB 543 SSVKAEITINIGLLKISWEKVPFNNLOFQIRGLSGKEVQWKNVEYTPKPSVSLPV 602
QY 601 PDLCAVAVOVRKRLDGLGYSWNSNPAYTVVMDIKVPMRGPEFMRINGDTMKKEKNV 660
DB 603 PDLCAVAVOVRKRLDGLGYSWNSNPAYTVVMDIKVPMRGPEFMRINGDTMKKEKNV 662
QY 661 YLLWKLPMKNDLSQVORYVINHTSXNGTWSNVGNHTKFTFLWTEQAHVTVLAINSI 720
DB 663 YLLWKLPMKNDLSQVORYVINHTSXNGTWSNVGNHTKFTFLWTEQAHVTVLAINSI 722
QY 721 GASVANFNLTFSWPMKKNIVQSLSAVPLNSSCVIVSVWILSPSDVKLMYPIEWNKLNED 780
DB 723 GASVANFNLTFSWPMKKNIVQSLSAVPLNSSCVIVSVWILSPSDVKLMYPIEWNKLNED 782
QY 781 GEIKWLRISSVKXYIHDHPIEIKYQFSLYPIFMEGVGKPKIINSFTQNNIEKHQSDA 840
DB 783 GEIKWLRISSVKXYIHDHPIEIKYQFSLYPIFMEGVGKPKIINSFTQNNIEKHQSDA 842
QY 841 GLYIVIPVILSSILLGLTLLISHQRMKLPWEDVPNPKCSWAQGLNFQKRTNII 896
DB 843 GLYIVIPVILSSILLGLTLLISHQRMKLPWEDVPNPKCSWAQGLNFQKRTNII 898

RESULT 6
US-10-095-929-9
; Sequence 9, Application US/10095929
; Publication No. US20020197232A1
; GENERAL INFORMATION:
; APPLICANT: Snodgrass, H. Ralph
; Clotfi, Joseph
; Zupancic, Thomas Joel

Shafer, Alan Wayne
TITLE OF INVENTION: METHODS FOR USING THE OBESSE
GENE AND ITS GENE PRODUCT TO STIMULATE HEMATOPOIETIC
DEVELOPMENT
NUMBER OF SEQUENCES: 28
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of The Americas
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10036-2811
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/095,929
FILING DATE: 12-Mar-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/618,957
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Poissant, Brian M.
REGISTRATION NUMBER: 28,462
REFERENCE/DOCKET NUMBER: 008907-0033-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-493-4935
TELEFAX: 650-493-5556
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 906 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 9:
US-10-095-929-9

Query Match 95.3%; Score 4614; DB 13; Length 906;
Best Local Similarity 96.1%; Pred. No. 0;
Matches 857; Conservative 16; Mismatches 19; Indels 0; Gaps 0;

QY 1 MICGFCVLLHQFIYVITAFNLSPYITPWFKLSKMPNNTTYFLLPAGLSKNTS 60
DB 1 MICGFCVLLHWEFIYVITAFNLSPYITPWFKLSKMPNNTTYFLLPAGLSKNTS 60
QY 61 NGHETAVEPKFNSSGTHFNSLKTTHCCFRSEODRNCSCADNIEGRTFVSTVNSLVF 120
DB 63 NGHETAVEPKFNSSGTHFNSLKTTHCCFRSEODRNCSCADNIEGRTFVSTVNSLVF 120
QY 121 QOIDANWNIQCNLKGDLKLFICYVESLFKNLPNNYKVLHLYLVLEVLDSPLVPQKS 180
DB 123 QOIDANWNIQCNLKGDLKLFICYVESLFKNLPNNYKVLHLYLVLEVLDSPLVPQKS 180
QY 181 FQWVHCNCSVHECCECLVPVPTAKLNDTLMLCLKITSGGVIFXSPMLSVQPINMVKPDP 240
DB 183 FQWVHCNCSVHECCECLVPVPTAKLNDTLMLCLKITSGGVIFXSPMLSVQPINMVKPDP 240
QY 241 LGLHMEITDDGNLKIWSWSPPLVPFPLOYQVKYSENSTTVIREADKIVSATSLVDSILP 300
DB 243 LGLHMEITDDGNLKIWSWSPPLVPFPLOYQVKYSENSTTVIREADKIVSATSLVDSILP 300
QY 301 GSSYEVOVRGKLDGPGIWSDMSTPRVFTTQDVIVFPFKILTSGVNSVSHCIYKKNKI 360
DB 303 GSSYEVOVRGKLDGPGIWSDMSTPRVFTTQDVIVFPFKILTSGVNSVSHCIYKKNKI 360
QY 361 VPSKEIWWNNLAELIPQSQYDWDVSDHVSQVTFNNLNETKPRGLFTYDVCNEHCCH 420
DB 363 VPSKEIWWNNLAELIPQSQYDWDVSDHVSQVTFNNLNETKPRGLFTYDVCNEHCCH 420

QY 421 RVAGLYVINVNINISCTQNGYLTWKTCRWSSTIOSLAESTLELRHYRSSLYCNIPIH 480
DB 421 RVAGLYVINVNINISCTQNGYLTWKTCRWSSTIOSLAESTLELRHYRSSLYCNIPIH 480
QY 481 PISEPKNCYVQVRCFELDLGLGYSWNSNPAYTVVMDIKVPMRGPFWRINGDTMKKEKNV 660
DB 481 PISEPKNCYVQVRCFELDLGLGYSWNSNPAYTVVMDIKVPMRGPFWRINGDTMKKEKNV 660
QY 541 SSVKAEITINIGLLKISWEKVPFENNLOFQIRGLSGKEVQWKMVEYVTPKPKSVSLPV 600
DB 541 SSVKAEITINIGLLKISWEKVPFENNLOFQIRGLSGKEVQWKMVEYVTPKPKSVSLPV 600
QY 601 PDLCAVAVQVRCFELDLGLGYSWNSNPAYTVVMDIKVPMRGPFWRINGDTMKKEKNV 660
DB 601 PDLCAVAVQVRCFELDLGLGYSWNSNPAYTVVMDIKVPMRGPFWRINGDTMKKEKNV 660
QY 661 YLLWPKMLKNDLSVQRYVNHHTSXNGTWSNVGNHTKFTFLWTEQAHVTVLAINSI 720
DB 661 YLLWPKMLKNDLSVQRYVNHHTSXNGTWSNVGNHTKFTFLWTEQAHVTVLAINSI 720
QY 721 GASVANFNLTFSWPKSKVNIQVSLSAVPLNSSCVIVSWILSPSDYKLMYPIEWNKLNED 780
DB 721 GASVANFNLTFSWPKSKVNIQVSLSAVPLNSSCVIVSWILSPSDYKLMYPIEWNKLNED 780
QY 781 GEIKWLRISSSVKYKYYIHDHPIPIEKYQFSLYPIFMEGVGPKKIINSFTQNNIEKHQSDA 840
DB 781 GEIKWLRISSSVKYKYYIHDHPIPIEKYQFSLYPIFMEGVGPKKIINSFTQNNIEKHQSDA 840
QY 841 GLYVIVPVIISSSILLGLTLLISHQRMKKLFWEVDPNPKNSWAQGLNFQK 892
DB 841 GLYVIVPVIISSSILLGLTLLISHQRMKKLFWEVDPNPKNSWAQGLNFQK 892

RESULT 7
US-08-779-457-4
; Sequence 4, Application US/08779457
; Publication No. US20020193571A1
; GENERAL INFORMATION:
; APPLICANT: Carter, Paul J.
; APPLICANT: Chiang, Nancy Y.
; APPLICANT: Kyung, Jin Kim
; APPLICANT: Matthews, William
; APPLICANT: Rodriguez, Maria L.
; TITLE OF INVENTION: WAX RECEPTOR AGONIST ANTIBODIES
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/779,457
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/667197
; FILING DATE: 06/20/96
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/585005
; FILING DATE: 01/08/96
; ATTORNEY/AGENT INFORMATION:
; NAME: Lee, Wendy M.
; REGISTRATION NUMBER: 40,378
; REFERENCE/DOCKET NUMBER: P0986P2
; TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/225-1994
TELEFAX: 415/952-9881
TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 923 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
US-08-779-457-4

Query Match 95.3%; Score 4614; DB 8; Length 923;
Best Local Similarity 96.2%; Pred. No. 0;
Matches 857; Conservative 16; Mismatches 18; Indels 0; Gaps 0;

QY 1 MICGKFCVLLHQWQIYVITAFNLSPYIPTPWRFKLSCLMPPNSTTNYFLLPAGLSKNTS 60
DB 1 MICGKFCVLLHQWQIYVITAFNLSPYIPTPWRFKLSCLMPPNSTTNYFLLPAGLSKNTS 60
QY 61 NGHYETAPEPKNSGTHPSNLKTTFHCCPRSEODRNCSLCADNIEGRFTVSTVNSLVP 120
DB 61 NGHYETAPEPKNSGTHPSNLKTTFHCCPRSEODRNCSLCADNIEGRFTVSTVNSLVP 120
QY 121 QOIDANWNIQWLGKDLKLFICYVESLFPKLPNNYKVVHLLYVLPVELESDPLVPQKGS 180
DB 121 QOIDANWNIQWLGKDLKLFICYVESLFPKLPNNYKVVHLLYVLPVELESDPLVPQKGS 180
QY 181 FQWVHCNCSVHECCBCLVPVPTAKLNDTLLMCLKITSGGVIFXSPMSVQPINMYKDPDP 240
DB 181 FQWVHCNCSVHECCBCLVPVPTAKLNDTLLMCLKITSGGVIFXSPMSVQPINMYKDPDP 240
QY 241 LGLHWEITDDGNLKJWSWSPPLVPFPLOYQVYKYSNSTTVIREADKIVSATSLLVDSLTP 300
DB 241 LGLHWEITDDGNLKJWSWSPPLVPFPLOYQVYKYSNSTTVIREADKIVSATSLLVDSLTP 300
QY 301 GSSYEYVQVRGKELDGPFGIWSWDMSTPRVFTTQDVIYFPPKILTSVGSNVSFHCYKKNKI 360
DB 301 GSSYEYVQVRGKELDGPFGIWSWDMSTPRVFTTQDVIYFPPKILTSVGSNVSFHCYKKNKI 360
QY 361 VPSKEIVVHNLAEILIPQSDYVSDHVKSTFFNLNETKPRGLFTYDAYVCCNEHGH 420
DB 361 VPSKEIVVHNLAEILIPQSDYVSDHVKSTFFNLNETKPRGLFTYDAYVCCNEHGH 420
QY 421 RVAGLYVINVNINISCTQNGYLTWKTCRWSSTIOSLAESTLELRHYRSSLYCNIPIH 480
DB 421 RVAGLYVINVNINISCTQNGYLTWKTCRWSSTIOSLAESTLELRHYRSSLYCNIPIH 480
QY 481 PISEPKNCYVQVRCFELDLGLGYSWNSNPAYTVVMDIKVPMRGPFWRINGDTMKKEKNV 540
DB 481 PISEPKNCYVQVRCFELDLGLGYSWNSNPAYTVVMDIKVPMRGPFWRINGDTMKKEKNV 540
QY 541 SSVKAEITINIGLLKISWEKVPFENNLOFQIRGLSGKEVQWKMVEYVTPKPKSVSLPV 600
DB 541 SSVKAEITINIGLLKISWEKVPFENNLOFQIRGLSGKEVQWKMVEYVTPKPKSVSLPV 600
QY 601 PDLCAVAVQVRCFELDLGLGYSWNSNPAYTVVMDIKVPMRGPFWRINGDTMKKEKNV 660
DB 601 PDLCAVAVQVRCFELDLGLGYSWNSNPAYTVVMDIKVPMRGPFWRINGDTMKKEKNV 660
QY 661 YLLWPKMLKNDLSVQRYVNHHTSXNGTWSNVGNHTKFTFLWTEQAHVTVLAINSI 720
DB 661 YLLWPKMLKNDLSVQRYVNHHTSXNGTWSNVGNHTKFTFLWTEQAHVTVLAINSI 720
QY 721 GASVANFNLTFSWPKSKVNIQVSLSAVPLNSSCVIVSWILSPSDYKLMYPIEWNKLNED 780
DB 721 GASVANFNLTFSWPKSKVNIQVSLSAVPLNSSCVIVSWILSPSDYKLMYPIEWNKLNED 780
QY 781 GEIKWLRISSSVKYKYYIHDHPIPIEKYQFSLYPIFMEGVGPKKIINSFTQNNIEKHQSDA 840
DB 781 GEIKWLRISSSVKYKYYIHDHPIPIEKYQFSLYPIFMEGVGPKKIINSFTQNNIEKHQSDA 840
QY 841 GLYVIVPVIISSSILLGLTLLISHQRMKKLFWEVDPNPKNSWAQGLNFQK 891
DB 841 GLYVIVPVIISSSILLGLTLLISHQRMKKLFWEVDPNPKNSWAQGLNFQK 891

RESULT 8
 US-10-214-802-4
 ; Sequence 4, Application US/10214802
 ; Publication No. US20030004109A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Matthews, William
 ; APPLICANT: Bennett, Brian
 ; TITLE OF INVENTION: WSX RECEPTOR
 ; NUMBER OF SEQUENCES: 45
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Genentech, Inc.
 ; STREET: 460 Point San Bruno Blvd
 ; CITY: South San Francisco
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94080
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: WinPatIn (Genentech)
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/10/214,802
 ; FILING DATE: 06-Aug-2002
 ; CLASSIFICATION: <Unknown>
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/780,562
 ; FILING DATE: <Unknown>
 ; APPLICATION NUMBER: 08/585005
 ; FILING DATE: 08-Jan-97
 ; APPLICATION NUMBER: 60/
 ; FILING DATE: 08-Jan-97
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Lee, Wendy M.
 ; REGISTRATION NUMBER: 40,378
 ; REFERENCE/DOCKET NUMBER: P0986R1
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 415/225-1994
 ; TELEFAX: 415/952-9881
 ; TELEX: 910/371-7168
 ; INFORMATION FOR SEQ ID NO: 4:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 923 amino acids
 ; TYPE: Amino Acid
 ; TOPOLOGY: Linear
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
 US-10-214-802-4
 Query Match 95.3%; Score 4614; DB 14; Length 923;
 Best Local Similarity 96.2%; Pred. No. 0;
 Matches 857; Conservative 16; Mismatches 18; Indels 0; Gaps 0;
 QY 1 MICKGFCVLLHMQFIYVITAFNLISYPTTPWRFKLSQMPNNTNYFLLPAGLSKNTS 60
 DB 1 MICKGFCVLLHMEFIYVITAFNLISYPTTPWRFKLSQMPNNTNYFLLPAGLSKNTS 60
 QY 61 NGHYETAVERKFNSSGTHFNSLSTTHCCFRSEQDRNCSLCADNIEGRTFVSTVNSLVF 120
 DB 61 NGHYETAVERKFNSSGTHFNSLSTTHCCFRSEQDRNCSLCADNIEGRTFVSTVNSLVF 120
 QY 121 QOIDANWNIQCWLKGDLLKFLICYVESLFKFLFRNYNYKVHLLVYLPEVLEDSPLVPQKGS 180
 DB 121 QOIDANWNIQCWLKGDLLKFLICYVESLFKFLFRNYNYKVHLLVYLPEVLEDSPLVPQKGS 180
 QY 181 FQWVHCNCSVECECLVPVPTAKLNTLLMCLKITSGVIFXSPMSVQFINWVKPDPP 240
 DB 181 FQWVHCNCSVECECLVPVPTAKLNTLLMCLKITSGVIFXSPMSVQFINWVKPDPP 240
 QY 241 LGLHMEITDDGNLKISWSSPPLVPFPLOYQVKYSENSTTVIREADKIVSATSLVDSILP 300
 DB 241 LGLHMEITDDGNLKISWSSPPLVPFPLOYQVKYSENSTTVIREADKIVSATSLVDSILP 300

RESULT 9

US-08-779-457-2
 ; Sequence 2, Application US/08779457
 ; Publication No. US20020193571A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Carter, Paul J.
 ; APPLICANT: Chiang, Nancy Y.
 ; APPLICANT: Kyung, Jin Kim
 ; APPLICANT: Matthews, William
 ; APPLICANT: Rodrigues, Maria L.
 ; TITLE OF INVENTION: WSX RECEPTOR AGONIST ANTIBODIES
 ; NUMBER OF SEQUENCES: 51
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Genentech, Inc.
 ; STREET: 460 Point San Bruno Blvd
 ; CITY: South San Francisco
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94080
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: WinPatIn (Genentech)
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/779,457
 ; FILING DATE:
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/667197
 ; FILING DATE: 06/20/96

QY 301 GSSYEVOYRGKRLDQPGIWSDMSTPRVETTDVLYFPBKILTSVGSNVSFHCIIYKKNKI 360
 DB 301 GSSYEVOYRGKRLDQPGIWSDMSTPRVETTDVLYFPBKILTSVGSNVSFHCIIYKKNKI 360
 QY 361 VPSKEIIVWVHNLAEIIPQSQYDVVSDHVSQVYVTFNLAETKPRGLFTYDAVYCCNEHGGCH 420
 DB 361 VPSKEIIVWVHNLAEIIPQSQYDVVSDHVSQVYVTFNLAETKPRGLFTYDAVYCCNEHGGCH 420
 QY 421 RYAGLYVINVNINISCTQNGYLTXTCHWSTSTTQSLAESTLEIARYHRSIIYCSNIPSIH 480
 DB 421 RYAGLYVINVNINISCTQNGYLTXTCHWSTSTTQSLAESTLEIARYHRSIIYCSNIPSIH 480
 QY 481 PTSEPKNCYLOSNGFYQCIPOPIFLLSGYTWIRINHSLSINSPPPTCVLPDSVVKPLPP 540
 DB 481 PTSEPKNCYLOSNGFYQCIPOPIFLLSGYTWIRINHSLSINSPPPTCVLPDSVVKPLPP 540
 QY 541 SSVKAEITINIGLLKISWEKPVFPENNLOFOIRGLSGKEVQWKMVEYVNTNPKKSVSLPV 600
 DB 541 SSVKAEITINIGLLKISWEKPVFPENNLOFOIRGLSGKEVQWKMVEYVNTNPKKSVSLPV 600
 QY 601 PDLCAVAVOVRFKRLDGLGYWNSNWPAYVVMWDIKVPMEGPPEFWRIINGDTWKKEKNV 660
 DB 601 PDLCAVAVOVRFKRLDGLGYWNSNWPAYVVMWDIKVPMEGPPEFWRIINGDTWKKEKNV 660
 QY 661 YLLWKPLMKNDLSQVQRYVINHHTSXNGTWSNVGNHKTFTFLWTEQAHTVTVLAINSI 720
 DB 661 YLLWKPLMKNDLSQVQRYVINHHTSXNGTWSNVGNHKTFTFLWTEQAHTVTVLAINSI 720
 QY 721 GASVANFNLTFSWPMKSNIVQSLSAYPLNSSCVIVSWILSPSDVKLMYPIIEWKNLNE 780
 DB 721 GASVANFNLTFSWPMKSNIVQSLSAYPLNSSCVIVSWILSPSDVKLMYPIIEWKNLNE 780
 QY 781 GEIKWLRISSSVKYIYIHDHRIPIEKYQFSLYPIFMEGVGKPKIINSPFTONNIEKHQSDA 840
 DB 781 GEIKWLRISSSVKYIYIHDHRIPIEKYQFSLYPIFMEGVGKPKIINSPFTONNIEKHQSDA 840
 QY 841 GLYVIVPVIISILLGLTLISHQRMKLLFWEDVPNPNCSWAQGLNFOK 891
 DB 841 GLYVIVPVIISILLGLTLISHQRMKLLFWEDVPNPNCSWAQGLNFOK 891

Db 481 PISEPKDCYLOSGDFECIFQIFLLSGYTMWIRINHSLGSLDSPPTCVLPDSVVKPLPP 540
Qy 541 SSVKAEITINIGLLKISWEKVPFPENNLFQIRITGLSGKEVQWKMYEVTNPKFSVSLPV 600
Db 541 SSVKAEITINIGLLKISWEKVPFPENNLFQIRITGLSGKEVQWKMYEVTNPKFSVSLPV 600
Qy 601 PDLCAVAVQVRKRLDGLGYWNSNPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKV 660
Db 601 PDLCAVAVQVRKRLDGLGYWNSNPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKV 660
Qy 661 YLLWKPLMKNDSLCSVQRYVINHTSXNGTWSNVGNHTKFTFLWTEQAHVTVLAINSI 720
Db 661 TLLWKPLMKNDSLCSVQRYVINHTSXNGTWSNVGNHTKFTFLWTEQAHVTVLAINSI 720
Qy 721 GASVANFNLTFSWPMKKNIVQSLAYSPLNSSCVIVSWILLSPSDVKLPIIEWKNLNE 780
Db 721 GASVANFNLTFSWPMKKNIVQSLAYSPLNSSCVIVSWILLSPSDVKLPIIEWKNLNE 780
Qy 781 GEIKWLRISSSVKYYIHDHFIPIEKYQFSLYPIFMEGVGKPKIINSFTONNIEKHQSDA 840
Db 781 GEIKWLRISSSVKYYIHDHFIPIEKYQFSLYPIFMEGVGKPKIINSFTONNIEKHQSDA 840
Qy 841 GLYVIVPVISSSILLGLTLLSHQRMKKLFWDVDPNPKNCSWAQLNFOK 891
Db 841 GLYVIVPVISSSILLGLTLLSHQRMKKLFWDVDPNPKNCSWAQLNFOK 891

RESULT 11
US-10-095-929-11
; Sequence 11, Application US/10095929
; Publication No. US2002019732A1
; GENERAL INFORMATION:
; APPLICANT: Snodgrass, H. Ralph
; Cioffi, Joseph
; Zupancic, Thomas Joel
; Shafer, Alan Wayne
; TITLE OF INVENTION: METHODS FOR USING THE OBSE
; GENE AND ITS GENE PRODUCT TO STIMULATE HEMATOPOIETIC
; DEVELOPMENT
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSES: Pennie & Edmonds LLP
; STREET: 1155 Avenue of The Americas
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10036-2811
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/095,929
; FILING DATE: 12-Mar-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/618,957
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 008907-0033-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-493-4935
; TELEFAX: 650-493-5556
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1165 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear

; MOLECULE TYPE: Protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 11:
US-10-095-929-11
Query Match 95.3%; Score 4614; DB 13; Length 1165;
Best Local Similarity 96.2%; Pred. No. 0;
Matches 857; Conservative 16; Mismatches 18; Indels 0; Gaps 0;
Qy 1 MICGKFCVLLHWQFIYVITAFNLSYPTTPRFKLSGMPNNTTNYFLLPAGLSKNTNS 60
Db 1 MICGKFCVLLHWFIYVITAFNLSYPTTPRFKLSGMPNNTTNYFLLPAGLSKNTNS 60
Qy 61 NGHYETAVPEKFNSSGTHFSNLSKTTFFHCCFRSEQDRNCSLCADNIEGRTFVSTVNSLVF 120
Db 61 NGHYETAVPEKFNSSGTHFSNLSKTTFFHCCFRSEQDRNCSLCADNIEGRTFVSTVNSLVF 120
Qy 121 QOIDANWNIQWLGDKLKFICYVESLFPNLFRNNYKVHLLYVLPVLESDPLVPQGS 180
Db 121 QOIDANWNIQWLGDKLKFICYVESLFPNLFRNNYKVHLLYVLPVLESDPLVPQGS 180
Qy 181 FOMVHCNCSVHECCBCLVPVPTAKLNDTLLMCLKITSGVIFXSPMSVQPINMVKPDP 240
Db 181 FOMVHCNCSVHECCBCLVPVPTAKLNDTLLMCLKITSGVIFXSPMSVQPINMVKPDP 240
Qy 241 LGLHMEITDDGNLKISWSSPPLVPPLOYQVKYSENSTTVIREADKIVSATSLLVDSILP 300
Db 241 LGLHMEITDDGNLKISWSSPPLVPPLOYQVKYSENSTTVIREADKIVSATSLLVDSILP 300
Qy 301 GSSYEVQVRGKLDGPGIWSDMSTPRVFTQDVIVFPBKILTSVGSNSVPHCIYKKNKI 360
Db 301 GSSYEVQVRGKLDGPGIWSDMSTPRVFTQDVIVFPBKILTSVGSNSVPHCIYKKNKI 360
Qy 361 VPSKEIIVMHNLAELIPQSDYDVSDHVSQVTFNFKPLNETKPRGLFTYDAVYCCNHEGCH 420
Db 361 VPSKEIIVMHNLAELIPQSDYDVSDHVSQVTFNFKPLNETKPRGLFTYDAVYCCNHEGCH 420
Qy 421 RVAGLVVINNVNINISQOTNGYLTQKTCWSTISQSLAESTLELRYHSSLSYCSNIPSH 480
Db 421 RVAGLVVINNVNINISQOTNGYLTQKTCWSTISQSLAESTLELRYHSSLSYCSNIPSH 480
Qy 481 PISEPKDCYLOSGDFECIFQIFLLSGYTMWIRINHSLGSLDSPPTCVLPDSVVKPLPP 540
Db 481 PISEPKDCYLOSGDFECIFQIFLLSGYTMWIRINHSLGSLDSPPTCVLPDSVVKPLPP 540
Qy 541 SSVKAEITINIGLLKISWEKVPFPENNLFQIRITGLSGKEVQWKMYEVTNPKFSVSLPV 600
Db 541 SSVKAEITINIGLLKISWEKVPFPENNLFQIRITGLSGKEVQWKMYEVTNPKFSVSLPV 600
Qy 601 PDLCAVAVQVRKRLDGLGYWNSNPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKV 660
Db 601 PDLCAVAVQVRKRLDGLGYWNSNPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKV 660
Qy 661 YLLWKPLMKNDSLCSVQRYVINHTSXNGTWSNVGNHTKFTFLWTEQAHVTVLAINSI 720
Db 661 TLLWKPLMKNDSLCSVQRYVINHTSXNGTWSNVGNHTKFTFLWTEQAHVTVLAINSI 720
Qy 721 GASVANFNLTFSWPMKKNIVQSLAYSPLNSSCVIVSWILLSPSDVKLPIIEWKNLNE 780
Db 721 GASVANFNLTFSWPMKKNIVQSLAYSPLNSSCVIVSWILLSPSDVKLPIIEWKNLNE 780
Qy 781 GEIKWLRISSSVKYYIHDHFIPIEKYQFSLYPIFMEGVGKPKIINSFTONNIEKHQSDA 840
Db 781 GEIKWLRISSSVKYYIHDHFIPIEKYQFSLYPIFMEGVGKPKIINSFTONNIEKHQSDA 840
Qy 841 GLYVIVPVISSSILLGLTLLSHQRMKKLFWDVDPNPKNCSWAQLNFOK 891
Db 841 GLYVIVPVISSSILLGLTLLSHQRMKKLFWDVDPNPKNCSWAQLNFOK 891

RESULT 12
US-10-214-802-2
; Sequence 2, Application US/10214802
; Publication No. US20030004109A1

```

GENERAL INFORMATION:
APPLICANT: Matthews, William
Bennett, Brian
TITLE OF INVENTION: WSX RECEPTOR
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/214,802
FILING DATE: 06-Aug-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/780,562
FILING DATE: <Unknown>
APPLICATION NUMBER: 08/585005
FILING DATE: 08-Jan-97
APPLICATION NUMBER: 60/
FILING DATE: 08-Jan-97
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER: 40,378
REFERENCE/DOCKET NUMBER: P098681
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1994
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1165 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-10-214-802-2

Query Match 95.3%; Score 4614; DB 14; Length 1165;
Best Local Similarity 96.2%; Pred. No. 0;
Matches 857; Conservative 16; Mismatches 18; Indels 0; Gaps 0;

QY 1 MICGKFCVLLHWQFIYVITAFNLSYPTTPWRFKLSQMPNNTNYPFLPAGLSKNTS 60
DB 1 MICGKFCVLLHWFEIYVITAFNLSYPTTPWRFKLSQMPNNTNYPFLPAGLSKNTS 60
QY 61 NGHETAVEPKFNSGTHFNSLSTTHCCPRSDRNCSLCADNIEGRFTVSTVNSLVF 120
DB 61 NGHETAVEPKFNSGTHFNSLSTTHCCPRSDRNCSLCADNIEGRFTVSTVNSLVF 120
QY 121 QQIDANNWNIQWLKGLDLKLFICYVESLFPKLFNRYNYKVHLLVYLPVLEDSPLVPQKGS 180
DB 121 QQIDANNWNIQWLKGLDLKLFICYVESLFPKLFNRYNYKVHLLVYLPVLEDSPLVPQKGS 180
QY 181 FQWVHCNCSVHECCCECLVPVETAKLNTLLMCLKITSGGVIFXSPMSVQPINNVKPDPP 240
DB 181 FQWVHCNCSVHECCCECLVPVETAKLNTLLMCLKITSGGVIFXSPMSVQPINNVKPDPP 240
QY 241 LGLHWEITDDGNLKIWSPPPLPQYQVYKSENSTTVIRADKIVSATSLLVDSILP 300
DB 241 LGLHWEITDDGNLKIWSPPPLPQYQVYKSENSTTVIRADKIVSATSLLVDSILP 300
QY 301 GSSYEYQVGRKLDGPGIWSWSTPRVFTTQDVIIYFPFKILTSVGSNVSFHCYKXENKI 360
DB 301 GSSYEYQVGRKLDGPGIWSWSTPRVFTTQDVIIYFPFKILTSVGSNVSFHCYKXENKI 360
QY 361 VPSKEIVWVWNLAEKIPQSQYDVSDVSVKVFNFNLNETKPRGKFTYDAVYCCNEHCCH 420

361 VPSKEIVWVWNLAEKIPQSQYDVSDVSVKVFNFNLNETKPRGKFTYDAVYCCNEHCCH 420
421 RYAGLYVINNVNINISQOTNGYLTMTKTCRSTSTQSLABSTLELYHRSSLYCSNIPSIH 480
421 RYAEYVIDVNVNINISQOTNGYLTMTKTCRSTSTQSLABSTLELYHRSSLYCSNIPSIH 480
481 PISEPKNCYLQNGFYQCIPQIFILLSGYTMIRINHSLGSLNSPPTCVLPDSVVKPLPP 540
481 PISEPKDCYLQSDGFYECIFQIFILLSGYTMIRINHSLGSLNSPPTCVLPDSVVKPLPP 540
541 SSVKABITINIGLLKISWEKVPFENNLOFQIRYGLSGKEVQWKYEVYTNPKPKSVSLPV 600
541 SSVKABITINIGLLKISWEKVPFENNLOFQIRYGLSGKEVQWKYEVYDAKSYSVSLPV 600
601 PDLCAVAVQVRFKRLDGLGYWSNNSNPAYTVVMDIKVPMRGPEFWRINGDTMKCKNV 660
601 PDLCAVAVQVRCRLDGLGYWSNNSNPAYTVVMDIKVPMRGPEFWRINGDTMKCKNV 660
661 YLLWKPLMKNDLSQVQRYVINHHTSXNGTWSNENGNHTKFTFLWTEQAHTVTVLAINSI 720
661 TLLWKPLMKNDLSQVQRYVINHHTSCNGTWSNENGNHTKFTFLWTEQAHTVTVLAINSI 720
721 GASVANFNLTFSWPMKNIQVOSLSAYPLNSSCVIVSWILSPSDVKLMPYFIWKNLNEH 780
721 GASVANFNLTFSWPMKNIQVOSLSAYPLNSSCVIVSWILSPSDVKLMPYFIWKNLNEH 780
781 GEIKWLRISSSVKKYIYHDFPIEKYQFSLYPIFMEGVGPKIINSTONNIEKHQSDA 840
781 GEIKWLRISSSVKKYIYHDFPIEKYQFSLYPIFMEGVGPKIINSTODDIEKHQSDA 840
841 GLYVIVPVIISSSILLGLTLLSHQRMKFLFVEDVPNPNKCSWAQGLNFQX 891
841 GLYVIVPVIISSSILLGLTLLSHQRMKFLFVEDVPNPNKCSWAQGLNFQX 891

RESULT 13
US-10-226-579-4
; Sequence 4, Application US/10226579
; Publication No. US20030073634A1
; GENERAL INFORMATION:
; APPLICANT: Myers, Martin
; TITLE OF INVENTION: METHODS OF TREATING OBESITY
; FILE REFERENCE: 10276-071001
; CURRENT APPLICATION NUMBER: US/10/226,579
; CURRENT FILING DATE: 2002-08-23
; PRIOR APPLICATION NUMBER: US 60/314,976
; PRIOR FILING DATE: 2001-08-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 1165
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-226-579-4

Query Match 95.3%; Score 4614; DB 14; Length 1165;
Best Local Similarity 96.2%; Pred. No. 0;
Matches 857; Conservative 16; Mismatches 18; Indels 0; Gaps 0;

QY 1 MICGKFCVLLHWQFIYVITAFNLSYPTTPWRFKLSQMPNNTNYPFLPAGLSKNTS 60
DB 1 MICGKFCVLLHWFEIYVITAFNLSYPTTPWRFKLSQMPNNTNYPFLPAGLSKNTS 60
QY 61 NGHETAVEPKFNSGTHFNSLSTTHCCPRSDRNCSLCADNIEGRFTVSTVNSLVF 120
DB 61 NGHETAVEPKFNSGTHFNSLSTTHCCPRSDRNCSLCADNIEGRFTVSTVNSLVF 120
QY 121 QQIDANNWNIQWLKGLDLKLFICYVESLFPKLFNRYNYKVHLLVYLPVLEDSPLVPQKGS 180
DB 121 QQIDANNWNIQWLKGLDLKLFICYVESLFPKLFNRYNYKVHLLVYLPVLEDSPLVPQKGS 180
QY 181 FQWVHCNCSVHECCCECLVPVETAKLNTLLMCLKITSGGVIFXSPMSVQPINNVKPDPP 240

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Db 181 FQWVHCNCSVHECCCLVVPVPTAKLNDTLMLCKLITSGGVIFQSPMLNSVQPINWVKPDP 440
Qy 241 LGLHMEITDDGNLKIWSNPPLVPFPLOQVQKYSNSTTVIREADKIVSATSLLVDSILP 300
Db 241 LGLHMEITDDGNLKIWSNPPLVPFPLOQVQKYSNSTTVIREADKIVSATSLLVDSILP 300
Qy 301 GSSYEVOVRGKRLDGGINGSDWSTPRVFTTQDVIVYPPPKILTSVGSNVSFHCYKKNKI 360
Db 301 GSSYEVOVRGKRLDGGINGSDWSTPRVFTTQDVIVYPPPKILTSVGSNVSFHCYKKNKI 360
Qy 361 VPSKEIWWNHLAEIPQSDYDVVSHVSKVTFNNLNETKPRGLFTYDAVYCCNEHGCHH 420
Db 361 VPSKEIWWNHLAEIPQSDYDVVSHVSKVTFNNLNETKPRGLFTYDAVYCCNEHGCHH 420
Qy 421 RYAGLYVINNVNINISCTNGYLTMTCRWSTSTIQSLAESTLELRHRSLSLYCSNTPSH 480
Db 421 RYAGLYVINNVNINISCTNGYLTMTCRWSTSTIQSLAESTLELRHRSLSLYCSNTPSH 480
Qy 481 PISEPKDCYLQSDGFYECIFQPIFLLSGYTMWIRINHSLSGLSDSPPTCVLPDSVVKPLPP 540
Db 481 PISEPKDCYLQSDGFYECIFQPIFLLSGYTMWIRINHSLSGLSDSPPTCVLPDSVVKPLPP 540
Qy 541 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRYGLSGKEVQWKYEVYDAKSKSVSLPV 600
Db 541 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRYGLSGKEVQWKYEVYDAKSKSVSLPV 600
Qy 601 PDLCAVAVQVRKRLDGLGWSNNSPAYTVMDIKVPMRGPEFWRIINGDTMKKEKNV 660
Db 601 PDLCAVAVQVRKRLDGLGWSNNSPAYTVMDIKVPMRGPEFWRIINGDTMKKEKNV 660
Qy 661 YLLWKPLMKDNLCSVQRYVINNHITSXNGTWSNVGNHKTFTFLWTEQAHTVTVLAINSI 720
Db 661 YLLWKPLMKDNLCSVQRYVINNHITSXNGTWSNVGNHKTFTFLWTEQAHTVTVLAINSI 720
Qy 721 GASVANENLTFSPMSKVNIVQSLAYSAYPLNSSCVIVSWILSPSDVKLMYPIIWKNLNED 780
Db 721 GASVANENLTFSPMSKVNIVQSLAYSAYPLNSSCVIVSWILSPSDVKLMYPIIWKNLNED 780
Qy 781 GEIKWLRISSSVKYYIHDHFPIEKFQFSLPIFMEGVGKPKIINSFTONNIEKHQSDA 840
Db 781 GEIKWLRISSSVKYYIHDHFPIEKFQFSLPIFMEGVGKPKIINSFTONNIEKHQSDA 840
Qy 841 GLYVIVPVITSSSILLGLTLLISHQRMKKLFWEDVVPNPKNCWAQGLNFOK 891
Db 841 GLYVIVPVITSSSILLGLTLLISHQRMKKLFWEDVVPNPKNCWAQGLNFOK 891
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RESULT 14

US-10-095-929-8
; Sequence 8, Application US/10095929
; Publication No. US2002019732A1
; GENERAL INFORMATION:

APPLICANT: Snodgrass, H. Ralph
; Clouff, Joseph
; Zupancic, Thomas Joel
; Shafer, Alan Wayne

TITLE OF INVENTION: METHODS FOR USING THE OBSE
; GENE AND ITS GENE PRODUCT TO STIMULATE HEMATOPOIETIC
; DEVELOPMENT

NUMBER OF SEQUENCES: 28

CORRESPONDENCE ADDRESS:

ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of The Americas
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10036-2811

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0

CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/095,929
; FILING DATE: 12-Mar-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/618,957
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 008907-0033-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-493-4935
; TELEFAX: 650-493-5556
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 958 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 8:
; US-10-095-929-8

Query Match 95.3%; Score 4612; DB 13; Length 958;
Best Local Similarity 96.2%; Pred. No. 0;

Matches 857; Conservative 15; Mismatches 19; Indels 0; Gaps 0;

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Qy 1 MTCGFCVLLHWQIYVITAFNLSYPTTPWRFKLSCHMPNSTYTFLLPAGLSKNTS 60
Db 1 MTCQFCVLLHWEIYVITAFNLSYPTTPWRFKLSCHMPNSTYTFLLPAGLSKNTS 60
Qy 61 NGHETAVPEKPNSSGTHFSNLSKTTFFCCFSEQDRNCSLCAADIEGRTFVSTVNSLVF 120
Db 61 NGHETAVPEKPNSSGTHFSNLSKATFFCCFSEQDRNCSLCAADIEGRTFVSTVNSLVF 120
Qy 121 QIDANWNIQWLKQDLKLFICYVESLFRNLFRNTYKVLHLYLPEVLEDSPLVPQKS 180
Db 121 QIDANWNIQWLKQDLKLFICYVESLFRNLFRNTYKVLHLYLPEVLEDSPLVPQKS 180
Qy 181 FQWVHCNCSVHECCCLVVPVPTAKLNDTLMLCKLITSGGVIFQSPMLNSVQPINWVKPDP 240
Db 181 FQWVHCNCSVHECCCLVVPVPTAKLNDTLMLCKLITSGGVIFQSPMLNSVQPINWVKPDP 240
Qy 241 LGLHMEITDDGNLKIWSNPPLVPFPLOQVQKYSNSTTVIREADKIVSATSLLVDSILP 300
Db 241 LGLHMEITDDGNLKIWSNPPLVPFPLOQVQKYSNSTTVIREADKIVSATSLLVDSILP 300
Qy 301 GSSYEVOVRGKRLDGGINGSDWSTPRVFTTQDVIVYPPPKILTSVGSNVSFHCYKKNKI 360
Db 301 GSSYEVOVRGKRLDGGINGSDWSTPRVFTTQDVIVYPPPKILTSVGSNVSFHCYKKNKI 360
Qy 361 VPSKEIWWNHLAEIPQSDYDVVSHVSKVTFNNLNETKPRGLFTYDAVYCCNEHGCHH 420
Db 361 VPSKEIWWNHLAEIPQSDYDVVSHVSKVTFNNLNETKPRGLFTYDAVYCCNEHGCHH 420
Qy 421 RYAGLYVINNVNINISCTNGYLTMTCRWSTSTIQSLAESTLELRHRSLSLYCSNTPSH 480
Db 421 RYAGLYVINNVNINISCTNGYLTMTCRWSTSTIQSLAESTLELRHRSLSLYCSNTPSH 480
Qy 481 PISEPKDCYLQSDGFYECIFQPIFLLSGYTMWIRINHSLSGLSDSPPTCVLPDSVVKPLPP 540
Db 481 PISEPKDCYLQSDGFYECIFQPIFLLSGYTMWIRINHSLSGLSDSPPTCVLPDSVVKPLPP 540
Qy 541 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRYGLSGKEVQWKYEVYDAKSKSVSLPV 600
Db 541 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRYGLSGKEVQWKYEVYDAKSKSVSLPV 600
Qy 601 PDLCAVAVQVRKRLDGLGWSNNSPAYTVMDIKVPMRGPEFWRIINGDTMKKEKNV 660
Db 601 PDLCAVAVQVRKRLDGLGWSNNSPAYTVMDIKVPMRGPEFWRIINGDTMKKEKNV 660
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QY 661 YLLWKPLMKNDLSCVQRYVINHHTSXNGTWSNVGNHKTFTFLWTEQAHTVTVLAINSI 720
 Db 661 TLLWKPLMKNDLSCVQRYVINHHTSXNGTWSNVGNHKTFTFLWTEQAHTVTVLAINSI 720
 QY 721 GASVANFNLTFSWPMKSNIVQSL SAYPLNSSCVIVSWILSPSDVKMLPIIWKNLNED 780
 Db 721 GASVANFNLTFSWPMKSNIVQSL SAYPLNSSCVIVSWILSPSDVKMLPIIWKNLNED 780
 QY 781 GEIKWLRISSSVKYYIHDHPIPIEKYQFSLYPIFMGVGKPKIINSFTQNNIEKHQSDA 840
 Db 781 GEIKWLRISSSVKYYIHDHPIPIEKYQFSLYPIFMGVGKPKIINSFTQNNIEKHQSDA 840
 QY 841 GLYVIVPVISSILLGLTLISHORMKGLFWEDVNPKNCSWAQGLNFQK 891
 Db 841 GLYVIVPVISSILLGLTLISHORMKGLFWEDVNPKNCSWAQGLNFQK 891

 RESULT 15
 US-10-095-929-3
 ; Sequence 3, Application US/10095929
 ; Publication No. US20020197232A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Snodgrass, H. Ralph
 ; Cioffi, Joseph
 ; Zupancic, Thomas Joel
 ; Shafer, Alan Wayne
 ; TITLE OF INVENTION: METHODS FOR USING THE OBESE
 ; GENE AND ITS GENE PRODUCT TO STIMULATE HEMATOPOIETIC
 ; DEVELOPMENT
 ; NUMBER OF SEQUENCES: 28
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Pernie & Edmonds LLP
 ; STREET: 1155 Avenue of the Americas
 ; CITY: New York
 ; STATE: NY
 ; COUNTRY: USA
 ; ZIP: 10036-2811
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: DOS
 ; SOFTWARE: FastSeq Version 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/10/095,929
 ; FILING DATE: 12-Mar-2002
 ; CLASSIFICATION: <Unknown>
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/618,957
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 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Poissant, Brian W.
 ; REGISTRATION NUMBER: 28,462
 ; REFERENCE/DOCKET NUMBER: 008907-0033-999
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 650-493-4935
 ; TELEFAX: 650-493-5556
 ; TELEX: 66141 PENNIE
 ; INFORMATION FOR SEQ ID NO: 3:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 960 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 3:
 US-10-095-929-3

Query Match 95.2%; Score 4607; DB 13; Length 960;
 Best Local Similarity 96.1%; Pred. No. 0;
 Matches 856; Conservative 15; Mismatches 20; Indels 0; Gaps 0;

 QY 1 MICGKFCVLLHWQFIYVITAFNLSPITPWRFKLSCMPNPNSTNYFLLPAGLSKNTSNS 60

Db 3 MICGKFCVLLHWQFIYVITAFNLSPITPWRFKLSCMPNPNSTNYFLLPAGLSKNTSNS 62
 QY 61 NGHYETAVEPKNSGTHPSNLKTEHCCFPSEODRNCSCADNIERTFTVSTVNSLVF 120
 Db 63 NGHYETAVEPKNSGTHPSNLKATFCCFPSEODRNCSCADNIERTFTVSTVNSLVF 122
 QY 121 QQIDANWNIQCWLKGLDLKLFICYVESLFPKLPFNNTNYKVHLLYVLPVLEDSPLVPQKGS 180
 Db 123 QQIDANWNIQCWLKGLDLKLFICYVESLFPKLPFNNTNYKVHLLYVLPVLEDSPLVPQKGS 182
 QY 181 FQWTHCNCVHECCCLVPVPTAKLNDLLMCLKITSGVIFXSPMSVQPINMVKPPPP 240
 Db 183 FQWTHCNCVHECCCLVPVPTAKLNDLLMCLKITSGVIFRSPMSVQPINMVKPPPP 242
 QY 241 LGLHMEITDDGNLKIWSWSPPLVPFPLOYQVKYSENSTTVIREADKIVSATSLLVDSILP 300
 Db 243 LGLHMEITDDGNLKIWSWSPPLVPFPLOYQVKYSENSTTVIREADKIVSATSLLVDSILP 302
 QY 301 GSSYEVOVRGKLDGPGIWSWSPPLVPFPLOYQVKYSENSTTVIREADKIVSATSLLVDSILP 360
 Db 303 GSSYEVOVRGKLDGPGIWSWSPPLVPFPLOYQVKYSENSTTVIREADKIVSATSLLVDSILP 362
 QY 361 VPSKEIVMWHNLAEIPOSQYDVSDHVKVTFEFLNETKPRGLFTYDAVCCNEHGHCH 420
 Db 363 VPSKEIVMWHNLAEIPOSQYDVSDHVKVTFEFLNETKPRGLFTYDAVCCNEHGHCH 422
 QY 421 RVAGLYVINVINISQOTNGYLTMTCRWSTSTIOSLAESTLELRHRSLLYCSNIPSIH 480
 Db 423 RVAGLYVINVINISQOTNGYLTMTCRWSTSTIOSLAESTLELRHRSLLYCSNIPSIH 482
 QY 481 PISEPKNCVLOSQYVQICQPIFILLSGYTWIRINHSLSGINSPTCVLPDSVVKPLPP 540
 Db 483 PISEPKNCVLOSQYVQICQPIFILLSGYTWIRINHSLSGINSPTCVLPDSVVKPLPP 542
 QY 541 SSVKAEITINIGLLKISWEKPVFPENNIFQPIRTGLSGKEVQWKMYEYVNPKNCSVSLPV 600
 Db 543 SSVKAEITINIGLLKISWEKPVFPENNIFQPIRTGLSGKEVQWKMYEYVNPKNCSVSLPV 602
 QY 601 PDLCAVAVOVRFKLDGLGYWSNPNPAYTVMDIKVPMGEPFWRIINGDTMKKEKV 660
 Db 603 PDLCAVAVOVRFKLDGLGYWSNPNPAYTVMDIKVPMGEPFWRIINGDTMKKEKV 662
 QY 661 YLLWKPLMKNDLSCVQRYVINHHTSXNGTWSNVGNHKTFTFLWTEQAHTVTVLAINSI 720
 Db 663 YLLWKPLMKNDLSCVQRYVINHHTSXNGTWSNVGNHKTFTFLWTEQAHTVTVLAINSI 722
 QY 721 GASVANFNLTFSWPMKSNIVQSL SAYPLNSSCVIVSWILSPSDVKMLPIIWKNLNED 780
 Db 723 GASVANFNLTFSWPMKSNIVQSL SAYPLNSSCVIVSWILSPSDVKMLPIIWKNLNED 782
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 Db 783 GEIKWLRISSSVKYYIHDHPIPIEKYQFSLYPIFMGVGKPKIINSFTQNNIEKHQSDA 842
 QY 841 GLYVIVPVISSILLGLTLISHORMKGLFWEDVNPKNCSWAQGLNFQK 891
 Db 843 GLYVIVPVISSILLGLTLISHORMKGLFWEDVNPKNCSWAQGLNFQK 893

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